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# LIST

OF THE

## BRITISH MARINE INVERTEBRATE FAUNA.

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FOR THE DREDGING COMMITTEE OF THE BRITISH ASSOCIATION.

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LONDON:

TAYLOR AND FRANCIS, RED LION COURT, FLEET STREET.

1861.





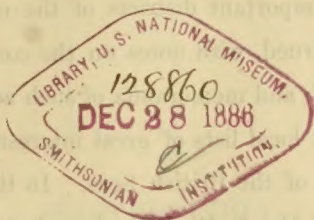
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## NOTICE.

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THE following lists have been prepared in conformity with the desire of the Committee of the Natural History Section of the British Association for the Advancement of Science, who, at my suggestion, recommended the appointment of a general Dredging Committee, with a liberal grant of money for the carrying out of its objects.

It is intended to place these lists in the hands of the local Dredging Committees and naturalists engaged in researches in the most important districts of the coasts of Great Britain and Ireland, with a request that they may be returned, with notes on the conditions under which each species of the particular district has been found, and memoranda of such additional species as may be obtained. By this means it is hoped to collect local lists of great interest, and materials for a more complete catalogue of the Invertebrate Fauna of the British Seas. In the preparation of the present lists, I have been assisted by Dr. Baird and Mr. S. Woodward, and other members of the Dredging Committee. The catalogue of Mollusca is taken from the work of Messrs. Forbes and Hanley; that of Crustacea has been obligingly furnished by Mr. Spence Bate; of Radiata by Mr. Stewart, of the Royal College of Surgeons; of Sponges by Dr. Bowerbank; of Rhizopoda by Messrs. Rupert Jones and Parker; and to Dr. J. E. Gray I am indebted for permission to extract the list of Anellides from an unpublished work by the late Dr. Johnston, of Berwick-upon-Tweed.

ROBERT McANDREW.

Isleworth House, Feb. 10, 1860.



\* \* The nomenclature and arrangement are taken (with a few slight modifications) from the "British Mollusca" of Messrs. Forbes and Hanley.

## CEPHALOPODA.

| Species.   | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| OCTOPUS, <i>Cuvier</i> .                                 |          |                 |         |            |               |
| vulgaris, <i>Lam.</i> .....                              |          |                 |         |            |               |
| ELEDONE, <i>Leach</i> .                                  |          |                 |         |            |               |
| octopodia, <i>Penn.</i> .....                            |          |                 |         |            |               |
| ROSSIA, <i>Owen</i> .                                    |          |                 |         |            |               |
| Owenii, <i>Ball</i> .....                                |          |                 |         |            |               |
| macrosona, <i>Delle Chiaje</i> .....                     |          |                 |         |            |               |
| SEPIOLA, <i>Leach</i> .                                  |          |                 |         |            |               |
| Rondeletii, <i>Leach</i> .....                           |          |                 |         |            |               |
| Atlantica, <i>D'Orbigny</i> .....                        |          |                 |         |            |               |
| OMMASTREPHES, <i>D'Orbigny</i> .                         |          |                 |         |            |               |
| sagittatus, <i>Lam.</i> .....                            |          |                 |         |            |               |
| todarus, <i>Delle Chiaje</i> .....                       |          |                 |         |            |               |
| Eblanæ, <i>Ball</i> .....                                |          |                 |         |            |               |
| LOLIGO, <i>Lamarck</i> .                                 |          |                 |         |            |               |
| vulgaris, <i>Lam.</i> ? ( <i>Forbesi</i> , <i>Stp.</i> ) |          |                 |         |            |               |
| media, <i>Linn.</i> .....                                |          |                 |         |            |               |
| marmoræ, <i>Verany</i> ( <i>media</i> , <i>var.</i> )    |          |                 |         |            |               |
| SEPIA, <i>Linnaeus</i> .                                 |          |                 |         |            |               |
| officinalis, <i>Linn.</i> .....                          |          |                 |         |            |               |
| elegans, <i>Bl.</i> .....                                |          |                 |         |            |               |
| biseriatis, <i>De Montfort</i> .....                     |          |                 |         |            |               |

## GASTEROPODA.

### ORDER PROSOBRANCHIATA.

|                                     |  |  |  |  |  |
|-------------------------------------|--|--|--|--|--|
| MUREX, <i>Linnaeus</i> .            |  |  |  |  |  |
| erinaceus, <i>Linn.</i> .....       |  |  |  |  |  |
| corallinus, <i>Scacchi</i> .....    |  |  |  |  |  |
| TROPHON, <i>Montfort</i> .          |  |  |  |  |  |
| clathratus, <i>Linn.</i> .....      |  |  |  |  |  |
| muricatus, <i>Mont.</i> .....       |  |  |  |  |  |
| Barvicensis, <i>Johnston</i> .....  |  |  |  |  |  |
| FUSUS, <i>Lamarck</i> .             |  |  |  |  |  |
| gracilis, <i>Da Costa</i> .....     |  |  |  |  |  |
| propinquus, <i>Alder</i> .....      |  |  |  |  |  |
| Berniciensis, <i>King</i> .....     |  |  |  |  |  |
| antiquus, <i>Linn.</i> .....        |  |  |  |  |  |
| Norvegicus, <i>Chemn.</i> .....     |  |  |  |  |  |
| Turtoni, <i>Bean</i> .....          |  |  |  |  |  |
| BUCCINUM, <i>Linnaeus</i> .         |  |  |  |  |  |
| undatum, <i>Linn.</i> .....         |  |  |  |  |  |
| Dalei, <i>J. Sowerby</i> .....      |  |  |  |  |  |
| Humphresianum, <i>Bennett</i> ..... |  |  |  |  |  |
| fusiforme, <i>Broderip</i> .....    |  |  |  |  |  |

GASTEROPODA.

| Species.                            | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|-------------------------------------|----------|--------------------|---------|-----------------|---------------|
|                                     | fathoms. | fathoms.           |         |                 |               |
| <i>NASSA, Lamarck.</i>              |          |                    |         |                 |               |
| <i>reticulata, Linn.</i> .....      |          |                    |         |                 |               |
| <i>pygmæa, Lamarck</i> .....        |          |                    |         |                 |               |
| <i>incrassata, Müller</i> .....     |          |                    |         |                 |               |
| <i>PURPURA, Lamarck.</i>            |          |                    |         |                 |               |
| <i>lapillus, Linn.</i> .....        |          |                    |         |                 |               |
| <i>MANGELIA, Leach.</i>             |          |                    |         |                 |               |
| <i>attenuata, Mont.</i> .....       |          |                    |         |                 |               |
| <i>costata, Pennant</i> .....       |          |                    |         |                 |               |
| <i>brachystoma, Philippi</i> .....  |          |                    |         |                 |               |
| <i>gracilis, Mont.</i> .....        |          |                    |         |                 |               |
| <i>Leufroyi, Michaud</i> .....      |          |                    |         |                 |               |
| <i>linearis, Mont.</i> .....        |          |                    |         |                 |               |
| <i>nana, Lovén</i> .....            |          |                    |         |                 |               |
| <i>nebula, Mont.</i> .....          |          |                    |         |                 |               |
| <i>purpurea, Mont.</i> .....        |          |                    |         |                 |               |
| <i>rufa, Mont.</i> .....            |          |                    |         |                 |               |
| <i>septangularis, Mont.</i> .....   |          |                    |         |                 |               |
| <i>striolata, Scacchi</i> .....     |          |                    |         |                 |               |
| <i>teres, Forbes.</i> .....         |          |                    |         |                 |               |
| <i>Trevelliana, Turton</i> .....    |          |                    |         |                 |               |
| <i>turricula, Mont.</i> .....       |          |                    |         |                 |               |
| <i>LACHESIS, Risso.</i>             |          |                    |         |                 |               |
| <i>minima, Mont.</i> .....          |          |                    |         |                 |               |
| <i>MARGINELLA, Lamarck.</i>         |          |                    |         |                 |               |
| <i>lævis, Donovan</i> .....         |          |                    |         |                 |               |
| <i>OVULA, Lamarck.</i>              |          |                    |         |                 |               |
| <i>patula, Pennant</i> .....        |          |                    |         |                 |               |
| ? <i>acuminata, Bruguière</i> ..... |          |                    |         |                 |               |
| <i>CYPREA, Linnaeus.</i>            |          |                    |         |                 |               |
| <i>Europæa, Mont.</i> .....         |          |                    |         |                 |               |
| <i>NATICA, Lamarck.</i>             |          |                    |         |                 |               |
| <i>monilifera, Lamarck</i> .....    |          |                    |         |                 |               |
| <i>nitida, Donovan</i> .....        |          |                    |         |                 |               |
| <i>sordida, Philippi</i> .....      |          |                    |         |                 |               |
| <i>Montagui, Forbes</i> .....       |          |                    |         |                 |               |
| <i>helicoides, Johnston</i> .....   |          |                    |         |                 |               |
| <i>pusilla, Say</i> .....           |          |                    |         |                 |               |
| <i>Kingii, Forbes</i> .....         |          |                    |         |                 |               |
| <i>LAMELLARIA, Montagu.</i>         |          |                    |         |                 |               |
| <i>perspicua, Linn.</i> .....       |          |                    |         |                 |               |
| <i>tentaculata, Mont.</i> .....     |          |                    |         |                 |               |
| <i>VELUTINA, Fleming.</i>           |          |                    |         |                 |               |
| <i>flexilis, Mont.</i> .....        |          |                    |         |                 |               |
| <i>lævigata, Linn.</i> .....        |          |                    |         |                 |               |
| ? <i>OTINA, Gray.</i>               |          |                    |         |                 |               |
| <i>otis, Turton</i> .....           |          |                    |         |                 |               |
| <i>TRICHOTROPIS, Broderip.</i>      |          |                    |         |                 |               |
| <i>borealis, Brod.</i> .....        |          |                    |         |                 |               |



GASTEROPODA.

| Species.                                  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| <i>CERITHIOPSIS, Forbes &amp; Hanley.</i> |          |                 |         |            |               |
| <i>tubercularis, Mont.</i>                |          |                 |         |            |               |
| <i>ODOSTOMIA, Fleming.</i>                |          |                 |         |            |               |
| <i>acuta, Jeffreys</i>                    |          |                 |         |            |               |
| <i>alba, Jeffreys</i>                     |          |                 |         |            |               |
| <i>conoidea, Brocchi</i>                  |          |                 |         |            |               |
| <i>conspicua, Alder</i>                   |          |                 |         |            |               |
| <i>cylindrica, Alder</i>                  |          |                 |         |            |               |
| <i>decussata, Mont.</i>                   |          |                 |         |            |               |
| <i>dolioliformis, Jeffreys</i>            |          |                 |         |            |               |
| <i>dubia, Jeffreys</i>                    |          |                 |         |            |               |
| <i>eulimoides, Hanley</i>                 |          |                 |         |            |               |
| <i>excavata, Philippi</i>                 |          |                 |         |            |               |
| <i>glabrata, Mühlfeldt</i>                |          |                 |         |            |               |
| <i>Gulsonæ, Clark</i>                     |          |                 |         |            |               |
| <i>insculpta, Mont.</i>                   |          |                 |         |            |               |
| <i>interstincta, Mont.</i>                |          |                 |         |            |               |
| <i>minuta, Jeffreys</i>                   |          |                 |         |            |               |
| <i>nitida, Alder</i>                      |          |                 |         |            |               |
| <i>obliqua, Alder</i>                     |          |                 |         |            |               |
| <i>pallida, Mont.</i>                     |          |                 |         |            |               |
| <i>plicata, Mont.</i>                     |          |                 |         |            |               |
| <i>rissoides, Hanley</i>                  |          |                 |         |            |               |
| <i>spiralis, Mont.</i>                    |          |                 |         |            |               |
| <i>striolata, Alder</i>                   |          |                 |         |            |               |
| <i>truncatula, Jeffreys</i>               |          |                 |         |            |               |
| <i>unidentata, Mont.</i>                  |          |                 |         |            |               |
| <i>Warrenii, Thompson</i>                 |          |                 |         |            |               |
| <i>EULIMELLA, Forbes.</i>                 |          |                 |         |            |               |
| <i>acicula, Philippi</i>                  |          |                 |         |            |               |
| <i>affinis, Philippi</i>                  |          |                 |         |            |               |
| <i>clavula, Lovén</i>                     |          |                 |         |            |               |
| <i>Scillæ, Scacchi</i>                    |          |                 |         |            |               |
| <i>CHEMNITZIA, D'Orbigny.</i>             |          |                 |         |            |               |
| <i>clathrata, Jeffreys</i>                |          |                 |         |            |               |
| <i>elegantissima, Mont.</i>               |          |                 |         |            |               |
| <i>fenestrata, Jeffreys</i>               |          |                 |         |            |               |
| <i>formosa, Jeffreys</i>                  |          |                 |         |            |               |
| <i>fulvocincta, Thomps.</i>               |          |                 |         |            |               |
| <i>indistincta, Mont.</i>                 |          |                 |         |            |               |
| <i>rufa, Philippi</i>                     |          |                 |         |            |               |
| <i>rufescens, Forbes</i>                  |          |                 |         |            |               |
| <i>scalaris, Philippi</i>                 |          |                 |         |            |               |
| <i>eximia, Jeffreys</i>                   |          |                 |         |            |               |
| <i>EULIMA, Risso.</i>                     |          |                 |         |            |               |
| <i>polita, Linn.</i>                      |          |                 |         |            |               |
| <i>distorta, Deshayes</i>                 |          |                 |         |            |               |
| <i>subulata, Donovan</i>                  |          |                 |         |            |               |
| <i>bilineata, Alder</i>                   |          |                 |         |            |               |

GASTEROPODA.

| Species.                              | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---------------------------------------|----------|-----------------|---------|------------|---------------|
|                                       | fathoms. | fathoms.        |         |            |               |
| <i>STYLINA, Fleming.</i>              |          |                 |         |            |               |
| <i>Turtoni, Broderip</i> .....        |          |                 |         |            |               |
| <i>CERITHIUM, Bruguière.</i>          |          |                 |         |            |               |
| <i>metula, Lovén</i> ... ..           |          |                 |         |            |               |
| <i>reticulatum, Da Costa</i> .....    |          |                 |         |            |               |
| <i>adversum, Mont.</i> .....          |          |                 |         |            |               |
| <i>APORRHAI'S, Aldrovandus.</i>       |          |                 |         |            |               |
| <i>pes-carbonis, Brongniart</i> ..... |          |                 |         |            |               |
| <i>pes-pelecani, Linn.</i> .....      |          |                 |         |            |               |
| <i>TURRITELLA, Lamarck.</i>           |          |                 |         |            |               |
| <i>communis, Risso</i> .....          |          |                 |         |            |               |
| <i>ACLIS, Lovén.</i>                  |          |                 |         |            |               |
| <i>ascaris, Turton</i> .....          |          |                 |         |            |               |
| <i>supranitida, S. Wood</i> .....     |          |                 |         |            |               |
| <i>? unica, Mont.</i> .....           |          |                 |         |            |               |
| <i>nitidissima, Mont.</i> .....       |          |                 |         |            |               |
| <i>CÆCUM, Fleming.</i>                |          |                 |         |            |               |
| <i>trachea, Mont.</i> .....           |          |                 |         |            |               |
| <i>glabrum, Mont.</i> .....           |          |                 |         |            |               |
| <i>SCALARIA, Lamarck.</i>             |          |                 |         |            |               |
| <i>Turtoni, Turton</i> .....          |          |                 |         |            |               |
| <i>communis, Lamarck</i> .....        |          |                 |         |            |               |
| <i>clathratula, Mont.</i> .....       |          |                 |         |            |               |
| <i>Grœnlandica, Chemnitz</i> .....    |          |                 |         |            |               |
| <i>Trevelyana, Leach</i> .....        |          |                 |         |            |               |
| <i>SKENEIA, Fleming.</i>              |          |                 |         |            |               |
| <i>? costulata, Müller</i> .....      |          |                 |         |            |               |
| <i>? lævis, Philippi</i> .....        |          |                 |         |            |               |
| <i>planorbis, Fabr.</i> .....         |          |                 |         |            |               |
| <i>? nitidissima, Adams</i> .....     |          |                 |         |            |               |
| <i>? rota, Forbes</i> .....           |          |                 |         |            |               |
| <i>TRUNCATELLA, Risso.</i>            |          |                 |         |            |               |
| <i>Montagui, Lowe</i> .....           |          |                 |         |            |               |
| <i>JEFFREYSIA, Alder.</i>             |          |                 |         |            |               |
| <i>opalina, Jeffreys</i> .....        |          |                 |         |            |               |
| <i>diaphana, Alder</i> .....          |          |                 |         |            |               |
| <i>globularis, Jeffreys</i> .....     |          |                 |         |            |               |
| <i>RISSEA, Frémenville.</i>           |          |                 |         |            |               |
| <i>abyssicola, Forbes</i> .....       |          |                 |         |            |               |
| <i>anatina, Drap.</i> .....           |          |                 |         |            |               |
| <i>Beanii, Hanley</i> .....           |          |                 |         |            |               |
| <i>calathus, Forbes</i> .....         |          |                 |         |            |               |
| <i>cingillus, Mont.</i> .....         |          |                 |         |            |               |
| <i>costata, Adams</i> .....           |          |                 |         |            |               |
| <i>costulata, Risso</i> .....         |          |                 |         |            |               |
| <i>crenulata, Michaud</i> .....       |          |                 |         |            |               |
| <i>fulgida, Adams</i> .....           |          |                 |         |            |               |
| <i>inconspicua, Alder</i> .....       |          |                 |         |            |               |
| <i>labiosa, Mont.</i> .....           |          |                 |         |            |               |



GASTEROPODA.

| Species.  | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| <i>Rissoa, Frémenville.</i>                                 |          |                    |         |                 |               |
| <i>lactea, Michaud</i> .....                                |          |                    |         |                 |               |
| <i>littorea, Delle Chiaje</i> .....                         |          |                    |         |                 |               |
| <i>muriatica, Lam.</i> .....                                |          |                    |         |                 |               |
| <i>parva, Da Costa</i> .....                                |          |                    |         |                 |               |
| <i>proxima, Alder</i> .....                                 |          |                    |         |                 |               |
| <i>pulcherrima, Jeffreys</i> .....                          |          |                    |         |                 |               |
| <i>punctura, Mont.</i> .....                                |          |                    |         |                 |               |
| <i>rubra, Adams</i> .....                                   |          |                    |         |                 |               |
| <i>ruflabrum, Alder</i> .....                               |          |                    |         |                 |               |
| <i>sculpta, Philippi</i> .....                              |          |                    |         |                 |               |
| <i>semistriata, Mont.</i> .....                             |          |                    |         |                 |               |
| <i>soluta, Philippi</i> .....                               |          |                    |         |                 |               |
| <i>striata, Mont.</i> .....                                 |          |                    |         |                 |               |
| <i>striatula, Mont.</i> .....                               |          |                    |         |                 |               |
| <i>ulvæ, Pennant</i> .....                                  |          |                    |         |                 |               |
| <i>ventrosa, Mont.</i> .....                                |          |                    |         |                 |               |
| <i>vitrea, Mont.</i> .....                                  |          |                    |         |                 |               |
| <i>Zetlandica, Mont.</i> .....                              |          |                    |         |                 |               |
| <i>ASSIMINEA, Leach.</i>                                    |          |                    |         |                 |               |
| <i>Grayana, Leach</i> .....                                 |          |                    |         |                 |               |
| <i>LACUNA, Turton.</i>                                      |          |                    |         |                 |               |
| <i>crassior, Mont.</i> .....                                |          |                    |         |                 |               |
| <i>vineta, Mont.</i> .....                                  |          |                    |         |                 |               |
| <i>puteolus, Turton</i> .....                               |          |                    |         |                 |               |
| <i>pallidula, Da Costa</i> .....                            |          |                    |         |                 |               |
| <i>LITORINA, Férussac.</i>                                  |          |                    |         |                 |               |
| <i>fabalis, Turton</i> .....                                |          |                    |         |                 |               |
| <i>litoralis, Linn.</i> .....                               |          |                    |         |                 |               |
| <i>litorea, Linn.</i> .....                                 |          |                    |         |                 |               |
| <i>neritoides, Linn.</i> .....                              |          |                    |         |                 |               |
| <i>tenebrosa, Mont.</i> .....                               |          |                    |         |                 |               |
| <i>palliata, Say</i> .....                                  |          |                    |         |                 |               |
| <i>patula, Jeffreys</i> .....                               |          |                    |         |                 |               |
| <i>rudis, Donovan</i> .....                                 |          |                    |         |                 |               |
| <i>saxatilis, Johnston</i> .....                            |          |                    |         |                 |               |
| <i>ADEORBEIS, S. Wood.</i>                                  |          |                    |         |                 |               |
| <i>subcarinata, Mont.</i> .....                             |          |                    |         |                 |               |
| <i>divisa, Fleming</i> .....                                |          |                    |         |                 |               |
| <i>TROCHUS, Linn.</i>                                       |          |                    |         |                 |               |
| <i>alabastrum, Beck</i> .....                               |          |                    |         |                 |               |
| <i>cinerarius, Linn.</i> .....                              |          |                    |         |                 |               |
| <i>conulus, Linn.</i> .....                                 |          |                    |         |                 |               |
| <i>exiguus, Pulteney</i> .....                              |          |                    |         |                 |               |
| <i>granulatus, Born</i> .....                               |          |                    |         |                 |               |
| <i>crassus, Pulteney (lineatus, Da<br/>    Costa)</i> ..... |          |                    |         |                 |               |
| <i>magus, Linn.</i> .....                                   |          |                    |         |                 |               |
| <i>millegranus, Philippi</i> .....                          |          |                    |         |                 |               |

GASTEROPODA.

| Species.                                  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>TROCHUS, Linn.</i>                     | fathoms. | fathoms.        |         |            |               |
| <i>Montagui, Gray</i> .....               |          |                 |         |            |               |
| <i>striatus, Linn.</i> .....              |          |                 |         |            |               |
| <i>tumidus, Mont.</i> .....               |          |                 |         |            |               |
| <i>umbilicatus, Mont.</i> .....           |          |                 |         |            |               |
| <i>lineatus, Da Costa</i> .....           |          |                 |         |            |               |
| <i>zizyphinus, Linn.</i> .....            |          |                 |         |            |               |
| <i>MARGARITA, Leach.</i>                  |          |                 |         |            |               |
| <i>undulata, Sowerby</i> .....            |          |                 |         |            |               |
| <i>helicina, Fabr</i> .....               |          |                 |         |            |               |
| <i>pusilla, Jeffreys</i> .....            |          |                 |         |            |               |
| <i>Cutleriana, Clark</i> .....            |          |                 |         |            |               |
| <i>PHASIANELLA, Lamarck.</i>              |          |                 |         |            |               |
| <i>pullus, Linn.</i> .....                |          |                 |         |            |               |
| <i>LANTHINA, Lamarck.</i>                 |          |                 |         |            |               |
| <i>exigua, Lamarck</i> .....              |          |                 |         |            |               |
| <i>communis, Lamarck.</i> .....           |          |                 |         |            |               |
| <i>pallida, Harvey</i> .....              |          |                 |         |            |               |
| <i>SCISSURELLA, D'Orbigny.</i>            |          |                 |         |            |               |
| <i>crispata, Fleming</i> .....            |          |                 |         |            |               |
| <i>HALIOTIS, Linn.</i>                    |          |                 |         |            |               |
| <i>tuberculata, Linn.</i> .....           |          |                 |         |            |               |
| <i>EMARGINULA, Lamarck.</i>               |          |                 |         |            |               |
| <i>reticulata, J. Sow.</i> .....          |          |                 |         |            |               |
| <i>rosea, Bell</i> .....                  |          |                 |         |            |               |
| <i>crassa, J. Sow.</i> .....              |          |                 |         |            |               |
| <i>PUNCTURELLA, Lowe.</i>                 |          |                 |         |            |               |
| <i>Noachina, Linn.</i> .....              |          |                 |         |            |               |
| <i>FISSURELLA, Lamarck.</i>               |          |                 |         |            |               |
| <i>reticulata, Donovan</i> .....          |          |                 |         |            |               |
| <i>PILEOPSIS, Lamarck.</i>                |          |                 |         |            |               |
| <i>Hungaricus, Linn.</i> .....            |          |                 |         |            |               |
| <i>CALYPTRÆA, Lamarck.</i>                |          |                 |         |            |               |
| <i>Sinensis, Linn.</i> .....              |          |                 |         |            |               |
| <i>ACMÆA, Eschscholtz.</i>                |          |                 |         |            |               |
| <i>testudinalis, Müller</i> .....         |          |                 |         |            |               |
| <i>virginea, Müller</i> .....             |          |                 |         |            |               |
| <i>PATELLA, Linnæus.</i>                  |          |                 |         |            |               |
| <i>vulgata, Linn.</i> .....               |          |                 |         |            |               |
| <i>athletica, Bean</i> .....              |          |                 |         |            |               |
| <i>pellucida, Linn.</i> .....             |          |                 |         |            |               |
| <i>lævis, Pennant</i> .....               |          |                 |         |            |               |
| <i>PILIDIUM, Forbes.</i>                  |          |                 |         |            |               |
| <i>fulvum, Müller</i> .....               |          |                 |         |            |               |
| <i>PROFILIDIUM, Forbes. (LEPETA, Gr.)</i> |          |                 |         |            |               |
| <i>ancyloide, Forbes</i> .....            |          |                 |         |            |               |
| <i>DENTALIUM, Linnæus.</i>                |          |                 |         |            |               |
| <i>entale, Linn.</i> .....                |          |                 |         |            |               |
| <i>Tarentinum, Lam.</i> .....             |          |                 |         |            |               |



# GASTEROPODA.

| Species.                             | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--------------------------------------|----------|-----------------|---------|------------|---------------|
| CHITON, <i>Linnaeus</i> .            | fathoms. | fathoms.        |         |            |               |
| fascicularis, <i>Linn.</i> . . . . . |          |                 |         |            |               |
| discrepans, <i>Brown</i> . . . . .   |          |                 |         |            |               |
| Hanleyi, <i>Bear</i> . . . . .       |          |                 |         |            |               |
| ruber, <i>Linn.</i> . . . . .        |          |                 |         |            |               |
| cinereus, <i>Linn.</i> . . . . .     |          |                 |         |            |               |
| albus, <i>Linn.</i> . . . . .        |          |                 |         |            |               |
| asellus, <i>Chemn.</i> . . . . .     |          |                 |         |            |               |
| cancellatus, <i>Sow.</i> . . . . .   |          |                 |         |            |               |
| lævis, <i>Pennant</i> . . . . .      |          |                 |         |            |               |
| marmoreus, <i>O. Fabr.</i> . . . . . |          |                 |         |            |               |

# ORDER OPISTHOBRANCHIATA.

|                                       |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|
| TORNATELLA, <i>Lamarck</i> .          |  |  |  |  |  |
| fasciata, <i>Linn.</i> . . . . .      |  |  |  |  |  |
| BULLA, <i>Lamarck</i> .               |  |  |  |  |  |
| hydatis, <i>Linn.</i> . . . . .       |  |  |  |  |  |
| Cranchii, <i>Leach</i> . . . . .      |  |  |  |  |  |
| AKERIA, <i>Müller</i> .               |  |  |  |  |  |
| bullata, <i>Linn.</i> . . . . .       |  |  |  |  |  |
| CYLICHNA, <i>Lovén</i> .              |  |  |  |  |  |
| cylindracea, <i>Pennant</i> . . . . . |  |  |  |  |  |
| conulus, <i>Desh.</i> . . . . .       |  |  |  |  |  |
| mamillata, <i>Philippi</i> . . . . .  |  |  |  |  |  |
| nitidula, <i>Lovén</i> . . . . .      |  |  |  |  |  |
| obtusa, <i>Mont.</i> . . . . .        |  |  |  |  |  |
| strigella, <i>Lovén</i> . . . . .     |  |  |  |  |  |
| truncata, <i>Adams</i> . . . . .      |  |  |  |  |  |
| umbilicata, <i>Mont.</i> . . . . .    |  |  |  |  |  |
| AMPHISPHTYA, <i>Lovén</i> .           |  |  |  |  |  |
| hyalina, <i>Turton</i> . . . . .      |  |  |  |  |  |
| SCAPHANDER, <i>Montfort</i> .         |  |  |  |  |  |
| lignarius, <i>Linn.</i> . . . . .     |  |  |  |  |  |
| BULLEA, <i>Lamarck</i> .              |  |  |  |  |  |
| aperta, <i>Linn.</i> . . . . .        |  |  |  |  |  |
| quadrata, <i>S. Wood</i> . . . . .    |  |  |  |  |  |
| scabra, <i>Müller</i> . . . . .       |  |  |  |  |  |
| catena, <i>Mont.</i> . . . . .        |  |  |  |  |  |
| punctata, <i>Clark</i> . . . . .      |  |  |  |  |  |
| pruinosa, <i>Clark</i> . . . . .      |  |  |  |  |  |
| APLYSIA, <i>Gmelin</i> .              |  |  |  |  |  |
| hybrida, <i>Sow.</i> . . . . .        |  |  |  |  |  |
| PLEUROBRANCHES, <i>Cuvier</i> .       |  |  |  |  |  |
| plumula, <i>Mont.</i> . . . . .       |  |  |  |  |  |
| membranaceus, <i>Mont.</i> . . . . .  |  |  |  |  |  |
| DIPHYLLIDIA, <i>Cuvier</i> .          |  |  |  |  |  |
| lineata, <i>Otto</i> . . . . .        |  |  |  |  |  |

# GASTEROPODA.

## ORDER NUDIBRANCHIATA.

(From the Monograph of Messrs. Alder and Hancock, 1856.)

| Species.                                | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| <i>Doris</i> , <i>Lin.</i>              |          |                 |         |            |               |
| tuberculata, <i>Cuv.</i> . . . .        |          |                 |         |            |               |
| flammea, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| Zetlandica, <i>A. &amp; H.</i> . . . .  |          |                 |         |            |               |
| millegrana, <i>A. &amp; H.</i> . . . .  |          |                 |         |            |               |
| Johnstoni, <i>A. &amp; H.</i> . . . .   |          |                 |         |            |               |
| planata, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| coccinea, <i>Forbes</i> . . . .         |          |                 |         |            |               |
| repanda, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| aspera, <i>A. &amp; H.</i> . . . .      |          |                 |         |            |               |
| proxima, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| muricata, <i>Müll.</i> . . . .          |          |                 |         |            |               |
| Ulidiana, <i>Thomps.</i> . . . .        |          |                 |         |            |               |
| diaphana, <i>A. &amp; H.</i> . . . .    |          |                 |         |            |               |
| oblonga, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| bilamellata, <i>L.</i> . . . .          |          |                 |         |            |               |
| depressa, <i>A. &amp; H.</i> . . . .    |          |                 |         |            |               |
| inconspicua, <i>A. &amp; H.</i> . . . . |          |                 |         |            |               |
| pusilla, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| sparsa, <i>A. &amp; H.</i> . . . .      |          |                 |         |            |               |
| pilosa, <i>Müll.</i> . . . .            |          |                 |         |            |               |
| subquadrata, <i>A. &amp; H.</i> . . . . |          |                 |         |            |               |
| <i>Goniadoris</i> , <i>Forbes.</i>      |          |                 |         |            |               |
| nodosa, <i>Mont.</i> . . . .            |          |                 |         |            |               |
| castanea, <i>A. &amp; H.</i> . . . .    |          |                 |         |            |               |
| <i>Triopa</i> , <i>Johnston.</i>        |          |                 |         |            |               |
| claviger, <i>Müll.</i> . . . .          |          |                 |         |            |               |
| <i>Egirus</i> , <i>Lovén.</i>           |          |                 |         |            |               |
| punctilucens, <i>D'Orb.</i>             |          |                 |         |            |               |
| <i>Thecacera</i> , <i>Fleming.</i>      |          |                 |         |            |               |
| pennigera, <i>Mont.</i> . . . .         |          |                 |         |            |               |
| virescens, <i>A. &amp; H.</i> . . . .   |          |                 |         |            |               |
| capitata, <i>A. &amp; H.</i> . . . .    |          |                 |         |            |               |
| <i>Polycera</i> , <i>Cuvier.</i>        |          |                 |         |            |               |
| quadrilincata, <i>Müll.</i> . . . .     |          |                 |         |            |               |
| ocellata, <i>A. &amp; H.</i> . . . .    |          |                 |         |            |               |
| Lessonii, <i>D'Orb.</i> . . . .         |          |                 |         |            |               |
| <i>Ancula</i> , <i>Lovén.</i>           |          |                 |         |            |               |
| cristata, <i>Alder</i> . . . .          |          |                 |         |            |               |
| <i>Idalia</i> , <i>Leuckart.</i>        |          |                 |         |            |               |
| elegans, <i>Leuck.</i> . . . .          |          |                 |         |            |               |
| Leachii, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |
| aspersa, <i>A. &amp; H.</i> . . . .     |          |                 |         |            |               |



GASTEROPODA.

| Species.                              | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---------------------------------------|----------|--------------------|---------|-----------------|---------------|
|                                       | fathoms. | fathoms.           |         |                 |               |
| <i>IDALIA, Leuckart.</i>              |          |                    |         |                 |               |
| <i>inaequalis, Forbes</i> .....       |          |                    |         |                 |               |
| <i>pulchella, A. &amp; H.</i> .....   |          |                    |         |                 |               |
| <i>quadricornis, Mont.</i> .....      |          |                    |         |                 |               |
| <i>TRITONIA, Cuvier.</i>              |          |                    |         |                 |               |
| <i>Homborgii, Cuv.</i> .....          |          |                    |         |                 |               |
| <i>alba, A. &amp; H.</i> .....        |          |                    |         |                 |               |
| <i>plebeia, Johnston</i> .....        |          |                    |         |                 |               |
| <i>lineata, A. &amp; H.</i> .....     |          |                    |         |                 |               |
| <i>SCYLLEA, Linn.</i>                 |          |                    |         |                 |               |
| <i>pelagica, Linn.</i> .....          |          |                    |         |                 |               |
| <i>LOMANOTUS, Verany.</i>             |          |                    |         |                 |               |
| <i>marmoratus, A. &amp; H.</i> .....  |          |                    |         |                 |               |
| <i>flavidus, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>DENDRONOTUS, A. &amp; H.</i>       |          |                    |         |                 |               |
| <i>arborescens, Müll.</i> .....       |          |                    |         |                 |               |
| <i>DOTO, Oken.</i>                    |          |                    |         |                 |               |
| <i>fragilis, Forbes</i> .....         |          |                    |         |                 |               |
| <i>pinnatifida, Mont.</i> .....       |          |                    |         |                 |               |
| <i>coronata, Müll.</i> .....          |          |                    |         |                 |               |
| <i>ÆOLIS, Cuvier.</i>                 |          |                    |         |                 |               |
| <i>papillosa, Linn.</i> .....         |          |                    |         |                 |               |
| <i>glauca, A. &amp; H.</i> .....      |          |                    |         |                 |               |
| <i>Alderii, Cocks</i> .....           |          |                    |         |                 |               |
| <i>coronata, Forbes</i> .....         |          |                    |         |                 |               |
| <i>Drummondi, Thomps.</i> .....       |          |                    |         |                 |               |
| <i>punctata, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>elegans, A. &amp; H.</i> .....     |          |                    |         |                 |               |
| <i>rufibranchialis, Johnst.</i> ..... |          |                    |         |                 |               |
| <i>lineata, Lov.</i> .....            |          |                    |         |                 |               |
| <i>smaragdina, A. &amp; H.</i> .....  |          |                    |         |                 |               |
| <i>gracilis, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>pellucida, A. &amp; H.</i> .....   |          |                    |         |                 |               |
| <i>Landsburgii, A. &amp; H.</i> ..... |          |                    |         |                 |               |
| <i>alba, A. &amp; H.</i> .....        |          |                    |         |                 |               |
| <i>carnea, A. &amp; H.</i> .....      |          |                    |         |                 |               |
| <i>glaucoides, A. &amp; H.</i> .....  |          |                    |         |                 |               |
| <i>Peachii, A. &amp; H.</i> .....     |          |                    |         |                 |               |
| <i>nana, A. &amp; H.</i> .....        |          |                    |         |                 |               |
| <i>stipata, A. &amp; H.</i> .....     |          |                    |         |                 |               |
| <i>angulata, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>inornata, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>concinna, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>olivacea, A. &amp; H.</i> .....    |          |                    |         |                 |               |
| <i>aurantiaca, A. &amp; H.</i> .....  |          |                    |         |                 |               |
| <i>pustulata, A. &amp; H.</i> .....   |          |                    |         |                 |               |
| <i>Couchii, Cocks</i> .....           |          |                    |         |                 |               |
| <i>amena, A. &amp; H.</i> .....       |          |                    |         |                 |               |
| <i>Northumbria, A. &amp; H.</i> ..... |          |                    |         |                 |               |

# GASTEROPODA.

| Species.                              | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---------------------------------------|----------|-----------------|---------|------------|---------------|
|                                       | fathoms. | fathoms.        |         |            |               |
| <i>ÆOLIS</i> , Cuvier.                |          |                 |         |            |               |
| <i>arenicola</i> , Forbes . . . . .   |          |                 |         |            |               |
| <i>Glottensis</i> , A. & H.           |          |                 |         |            |               |
| <i>viridis</i> , Forbes . . . . .     |          |                 |         |            |               |
| <i>purpurascens</i> , Flem. . . . .   |          |                 |         |            |               |
| <i>cingulata</i> , A. & H.            |          |                 |         |            |               |
| <i>vittata</i> , A. & H.              |          |                 |         |            |               |
| <i>cærulea</i> , Mont. . . . .        |          |                 |         |            |               |
| <i>pieta</i> , A. & H. . . . .        |          |                 |         |            |               |
| <i>tricolor</i> , Forbes . . . . .    |          |                 |         |            |               |
| <i>amethystina</i> , A. & H. . . . .  |          |                 |         |            |               |
| <i>Farrani</i> , A. & H. . . . .      |          |                 |         |            |               |
| <i>exigua</i> , A. & H. . . . .       |          |                 |         |            |               |
| <i>despecta</i> , Johnst. . . . .     |          |                 |         |            |               |
| <i>EMBLETONIA</i> , A. & H.           |          |                 |         |            |               |
| <i>pulchra</i> , A. & H.              |          |                 |         |            |               |
| <i>minuta</i> , F. & G.               |          |                 |         |            |               |
| <i>pallida</i> , A. & H.              |          |                 |         |            |               |
| <i>FIONA</i> , A. & H.                |          |                 |         |            |               |
| <i>nobilis</i> , A. & H. . . . .      |          |                 |         |            |               |
| <i>HERMÆA</i> , Lovén.                |          |                 |         |            |               |
| <i>bifida</i> , Mont.                 |          |                 |         |            |               |
| <i>dendritica</i> , A. & H. . . . .   |          |                 |         |            |               |
| <i>ALDERIA</i> , Allman.              |          |                 |         |            |               |
| <i>modesta</i> , Lovén . . . . .      |          |                 |         |            |               |
| <i>PROCTONOTUS</i> , A. & H.          |          |                 |         |            |               |
| <i>mucroniferus</i> , A. & H. . . . . |          |                 |         |            |               |
| <i>ANTIOPA</i> , A. & H.              |          |                 |         |            |               |
| <i>cristata</i> , Del. Ch.            |          |                 |         |            |               |
| <i>hyalina</i> , A. & H. . . . .      |          |                 |         |            |               |

# PTEROPODA.

|                                       |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|
| <i>HYALEA</i> , Lamarck.              |  |  |  |  |  |
| <i>trispinosa</i> , Lesueur . . . . . |  |  |  |  |  |
| <i>SPIRIALIS</i> , Eyraud & Souleyet. |  |  |  |  |  |
| <i>Flemingii</i> , Forbes . . . . .   |  |  |  |  |  |
| <i>Jeffreysii</i> , Forbes . . . . .  |  |  |  |  |  |
| <i>MacAndrei</i> , Forbes . . . . .   |  |  |  |  |  |
| <i>CLIO</i> , Müller.                 |  |  |  |  |  |
| <i>borealis</i> , Linn.               |  |  |  |  |  |



# LAMELLIBRANCHIATA.

| Species.                              | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---------------------------------------|----------|--------------------|---------|-----------------|---------------|
|                                       | fathoms. | fathoms.           |         |                 |               |
| <b>OSTREA, Linnæus.</b>               |          |                    |         |                 |               |
| <i>edulis, Linn.</i> . . . . .        |          |                    |         |                 |               |
| <b>ANOMIA, Linnæus.</b>               |          |                    |         |                 |               |
| <i>aculeata, Müller</i> . . . . .     |          |                    |         |                 |               |
| <i>ephippium, Linn.</i> . . . . .     |          |                    |         |                 |               |
| <i>striata, Lovén</i> . . . . .       |          |                    |         |                 |               |
| <i>patelliformis, Linn.</i> . . . . . |          |                    |         |                 |               |
| <b>PECTEN, O. F. Müller.</b>          |          |                    |         |                 |               |
| <i>Danicus, Chemnitz</i> . . . . .    |          |                    |         |                 |               |
| <i>maximus, Linn.</i> . . . . .       |          |                    |         |                 |               |
| <i>niveus, Macgillivray</i> . . . . . |          |                    |         |                 |               |
| <i>opercularis, Linn.</i> . . . . .   |          |                    |         |                 |               |
| <i>pusio, Pennant</i> . . . . .       |          |                    |         |                 |               |
| <i>similis, Laskey</i> . . . . .      |          |                    |         |                 |               |
| <i>tigrinus, Müller</i> . . . . .     |          |                    |         |                 |               |
| <i>varius, Linn.</i> . . . . .        |          |                    |         |                 |               |
| <i>striatus, Müller</i> . . . . .     |          |                    |         |                 |               |
| <i>furtivus, Lovén</i> . . . . .      |          |                    |         |                 |               |
| <b>LIMA, Bruguière.</b>               |          |                    |         |                 |               |
| <i>hians, Gmulin</i> . . . . .        |          |                    |         |                 |               |
| <i>Loscombii, Sowerby</i> . . . . .   |          |                    |         |                 |               |
| <i>subauriculata, Mont.</i> . . . . . |          |                    |         |                 |               |
| <b>AVICULA, Bruguière.</b>            |          |                    |         |                 |               |
| <i>Tarentina, Lam.</i> . . . . .      |          |                    |         |                 |               |
| <b>PINNA, Linnæus.</b>                |          |                    |         |                 |               |
| <i>pectinata, Linn.</i> . . . . .     |          |                    |         |                 |               |
| <b>MYTILUS, Linnæus.</b>              |          |                    |         |                 |               |
| <i>edulis, Linn.</i> . . . . .        |          |                    |         |                 |               |
| <b>MODIOLA, Lamarck.</b>              |          |                    |         |                 |               |
| <i>barbata, Linn.</i> . . . . .       |          |                    |         |                 |               |
| <i>modiolus, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>phascolina, Philippi</i> . . . . . |          |                    |         |                 |               |
| <i>tulipa, Lam.</i> . . . . .         |          |                    |         |                 |               |
| <b>CRENELLA, Brown.</b>               |          |                    |         |                 |               |
| <i>costulata, Risso</i> . . . . .     |          |                    |         |                 |               |
| <i>decussata, Mont.</i> . . . . .     |          |                    |         |                 |               |
| <i>discors, Linn.</i> . . . . .       |          |                    |         |                 |               |
| <i>nigra, Gray</i> . . . . .          |          |                    |         |                 |               |
| <i>marmorata, Forbes</i> . . . . .    |          |                    |         |                 |               |
| <i>rhombea, Berkeley</i> . . . . .    |          |                    |         |                 |               |
| <b>ARCA, Linnæus.</b>                 |          |                    |         |                 |               |
| <i>lactea, Linn.</i> . . . . .        |          |                    |         |                 |               |
| <i>raridentata, S. Wood</i> . . . . . |          |                    |         |                 |               |
| <i>tetragona, Poli</i> . . . . .      |          |                    |         |                 |               |
| <b>PECTUNCULUS, Lamarck.</b>          |          |                    |         |                 |               |
| <i>glycimeris, Linn.</i> . . . . .    |          |                    |         |                 |               |

LAMELLIBRANCHIATA.

| Species.                           | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|------------------------------------|----------|--------------------|---------|-----------------|---------------|
|                                    | fathoms. | fathoms.           |         |                 |               |
| <i>NUCULA, Lamarck.</i>            |          |                    |         |                 |               |
| <i>decussata, Sow.</i> .....       |          |                    |         |                 |               |
| <i>nitida, Sow.</i> .....          |          |                    |         |                 |               |
| <i>nucleus, Linn.</i> .....        |          |                    |         |                 |               |
| <i>radiata, Hanley</i> .....       |          |                    |         |                 |               |
| <i>tenuis, Mont.</i> .....         |          |                    |         |                 |               |
| <i>LEDA, Schumacher.</i>           |          |                    |         |                 |               |
| <i>eaudata, Don.</i> ..            |          |                    |         |                 |               |
| <i>pygmæa, Münster</i> .....       |          |                    |         |                 |               |
| <i>CARDIUM, Linnæus.</i>           |          |                    |         |                 |               |
| <i>aculeatum, Linn.</i> .....      |          |                    |         |                 |               |
| <i>echinatum, Linn.</i> .....      |          |                    |         |                 |               |
| <i>edule, Linn.</i> .....          |          |                    |         |                 |               |
| <i>fasciatum, Mont.</i> .....      |          |                    |         |                 |               |
| <i>nodosum, Turton</i> .....       |          |                    |         |                 |               |
| <i>Norvegicum, Speng.</i> .....    |          |                    |         |                 |               |
| <i>pygmaum, Don.</i> .....         |          |                    |         |                 |               |
| <i>rusticum, Linn.</i> .....       |          |                    |         |                 |               |
| <i>Succicum, Reeve</i> .....       |          |                    |         |                 |               |
| <i>LUCINA, Bruguière.</i>          |          |                    |         |                 |               |
| <i>borealis, Linn.</i> ..          |          |                    |         |                 |               |
| <i>divaricata, Linn.</i> .....     |          |                    |         |                 |               |
| <i>ferruginosa, Forbes</i> .....   |          |                    |         |                 |               |
| <i>flexuosa, Mont.</i> .....       |          |                    |         |                 |               |
| <i>leucoma, Turton</i> .....       |          |                    |         |                 |               |
| <i>spinifera, Mont.</i> .....      |          |                    |         |                 |               |
| <i>DIPLODONTA, Bronn.</i>          |          |                    |         |                 |               |
| <i>rotundata, Mont.</i> .....      |          |                    |         |                 |               |
| <i>KELLIA, Turton.</i>             |          |                    |         |                 |               |
| <i>suborbicularis, Mont.</i> ..... |          |                    |         |                 |               |
| <i>rubra, Mont.</i> .....          |          |                    |         |                 |               |
| <i>TURTONIA, Hanley.</i>           |          |                    |         |                 |               |
| <i>minuta, O. Fabr.</i> ..         |          |                    |         |                 |               |
| <i>MONTACUTA, Turton.</i>          |          |                    |         |                 |               |
| <i>bidentata, Mont.</i> .....      |          |                    |         |                 |               |
| <i>ferruginosa, Mont.</i> .....    |          |                    |         |                 |               |
| <i>substriata, Mont.</i> .....     |          |                    |         |                 |               |
| <i>LEPTON, Turton.</i>             |          |                    |         |                 |               |
| <i>Clarkiæ, Clark</i> .....        |          |                    |         |                 |               |
| <i>nitidum, Turton</i> .....       |          |                    |         |                 |               |
| <i>squamosum, Mont.</i> .....      |          |                    |         |                 |               |
| <i>GALEOMMA, Turton.</i>           |          |                    |         |                 |               |
| <i>Turtoni, S. w.</i> ..           |          |                    |         |                 |               |
| <i>CYPRINA, Lamarck.</i>           |          |                    |         |                 |               |
| <i>Islandica, Linn.</i> .....      |          |                    |         |                 |               |
| <i>CIRCE, Schumacher.</i>          |          |                    |         |                 |               |
| <i>minima, Mont.</i> .....         |          |                    |         |                 |               |
| <i>ASTARTE, Sowerby.</i>           |          |                    |         |                 |               |
| <i>arctica, Gray</i> .....         |          |                    |         |                 |               |



LAMELLIBRANCHIATA.

| Species.                               | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| <i>ASTARTE, Sowerby.</i>               |          |                    |         |                 |               |
| <i>compressa, Mont.</i> . . . . .      |          |                    |         |                 |               |
| <i>crebricostata, Forbes</i> . . . . . |          |                    |         |                 |               |
| <i>elliptica, Brown</i> . . . . .      |          |                    |         |                 |               |
| <i>sulcata, Da Costa</i> . . . . .     |          |                    |         |                 |               |
| <i>triangularis, Mont.</i> . . . . .   |          |                    |         |                 |               |
| <i>ISOCARDIA, Lamarck.</i>             |          |                    |         |                 |               |
| <i>cop, Linn.</i> . . . . .            |          |                    |         |                 |               |
| <i>VENUS, Linnæus.</i>                 |          |                    |         |                 |               |
| <i>casina, Linn.</i> . . . . .         |          |                    |         |                 |               |
| <i>fasciata, Don.</i> . . . . .        |          |                    |         |                 |               |
| <i>ovata, Pennant</i> . . . . .        |          |                    |         |                 |               |
| <i>striatula, Don.</i> . . . . .       |          |                    |         |                 |               |
| <i>vertucosa, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>CYTHAREA, Lamarck.</i>              |          |                    |         |                 |               |
| <i>chione, Linn.</i> . . . . .         |          |                    |         |                 |               |
| <i>ARTEMIS, Poli.</i>                  |          |                    |         |                 |               |
| <i>exoleta, Linn.</i> . . . . .        |          |                    |         |                 |               |
| <i>lineta, Pult.</i> . . . . .         |          |                    |         |                 |               |
| <i>LUCINOPSIS, Forbes.</i>             |          |                    |         |                 |               |
| <i>undata, Penn.</i> . . . . .         |          |                    |         |                 |               |
| <i>TAPES, Mühlfeldt.</i>               |          |                    |         |                 |               |
| <i>aurea, Gmelin</i> . . . . .         |          |                    |         |                 |               |
| <i>decussata, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>pullastra, Wood</i> . . . . .       |          |                    |         |                 |               |
| <i>virginica, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>VENERUPIS, Lamarck.</i>             |          |                    |         |                 |               |
| <i>irus, Linn.</i> . . . . .           |          |                    |         |                 |               |
| <i>PETRICOLA, Lamarck.</i>             |          |                    |         |                 |               |
| <i>lithophaga, Retzius</i> . . . . .   |          |                    |         |                 |               |
| <i>MACTRA, Linnæus.</i>                |          |                    |         |                 |               |
| <i>elliptica, Brown</i> . . . . .      |          |                    |         |                 |               |
| <i>helvacea, Chemnitz</i> . . . . .    |          |                    |         |                 |               |
| <i>solida, Linn.</i> . . . . .         |          |                    |         |                 |               |
| <i>stultorum, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>subtruncata, Da Costa</i> . . . . . |          |                    |         |                 |               |
| <i>truncata, Mont.</i> . . . . .       |          |                    |         |                 |               |
| <i>LUTRARIA, Lamarck.</i>              |          |                    |         |                 |               |
| <i>elliptica, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>oblonga, Chemn.</i> . . . . .       |          |                    |         |                 |               |
| <i>TELLINA, Linnæus.</i>               |          |                    |         |                 |               |
| <i>balaustrina, Linn.</i> . . . . .    |          |                    |         |                 |               |
| <i>crassa, Penn.</i> . . . . .         |          |                    |         |                 |               |
| <i>donacina, Linn.</i> . . . . .       |          |                    |         |                 |               |
| <i>fabula, Gronov.</i> . . . . .       |          |                    |         |                 |               |
| <i>incarnata, Linn.</i> . . . . .      |          |                    |         |                 |               |
| <i>proxima, Brown</i> . . . . .        |          |                    |         |                 |               |
| <i>pygmæa, Philippi</i> . . . . .      |          |                    |         |                 |               |
| <i>solidula, Pult.</i> . . . . .       |          |                    |         |                 |               |

LAMELLIBRANCHIATA.

| Species.  | Range.   | Found<br>living at | Ground. | Fre-<br>quency | Observations. |
|---|----------|--------------------|---------|----------------|---------------|
|   | fathoms. | fathoms.           |         |                |               |
| TELLINA, <i>Linnaeus</i> .                            |          |                    |         |                |               |
| tenuis, <i>Da Costa</i> .....                         |          |                    |         |                |               |
| GASTRANA, <i>Sch.</i> (DIODONTA, <i>F. &amp; H.</i> ) |          |                    |         |                |               |
| fragilis, <i>Linn.</i> .....                          |          |                    |         |                |               |
| PSAMMOBIA, <i>Lamarck</i> .                           |          |                    |         |                |               |
| costulata, <i>Turt.</i> .....                         |          |                    |         |                |               |
| Ferroensis, <i>Chemn.</i> .....                       |          |                    |         |                |               |
| tellinella, <i>Lam.</i> .....                         |          |                    |         |                |               |
| vespertina, <i>Chemn.</i> .....                       |          |                    |         |                |               |
| SYNDOSMYA, <i>Recluz</i> .                            |          |                    |         |                |               |
| alba, <i>Wood</i> .....                               |          |                    |         |                |               |
| intermedia, <i>Thomps.</i> .....                      |          |                    |         |                |               |
| prismatica, <i>Mont.</i> .....                        |          |                    |         |                |               |
| tenuis, <i>Mont.</i> .....                            |          |                    |         |                |               |
| SCROBICULARIA, <i>Schumacher</i> .                    |          |                    |         |                |               |
| piperata, <i>Gmelin</i> .....                         |          |                    |         |                |               |
| ERVILIA, <i>Turton</i> .                              |          |                    |         |                |               |
| castanea, <i>Mont.</i> .....                          |          |                    |         |                |               |
| DONAX, <i>Linnaeus</i> .                              |          |                    |         |                |               |
| anatinus, <i>Lam.</i> .....                           |          |                    |         |                |               |
| politus, <i>Poli</i> .....                            |          |                    |         |                |               |
| SOLEN, <i>Linnaeus</i> .                              |          |                    |         |                |               |
| ensis, <i>Linn.</i> .....                             |          |                    |         |                |               |
| marginatus, <i>Pult.</i> .....                        |          |                    |         |                |               |
| pellucidus, <i>Penn.</i> .....                        |          |                    |         |                |               |
| siliqua, <i>Linn.</i> .....                           |          |                    |         |                |               |
| CERATISOLEN, <i>Forbes</i> .                          |          |                    |         |                |               |
| legumen, <i>Linn.</i> .....                           |          |                    |         |                |               |
| SOLECURTUS, <i>Blainville</i> .                       |          |                    |         |                |               |
| candidus, <i>Renieri</i> .....                        |          |                    |         |                |               |
| coarctatus, <i>Gmelin</i> .....                       |          |                    |         |                |               |
| MYA, <i>Linnaeus</i> .                                |          |                    |         |                |               |
| arenaria, <i>Linn.</i> .....                          |          |                    |         |                |               |
| truncata, <i>Linn.</i> .....                          |          |                    |         |                |               |
| CORBULA, <i>Bruguière</i> .                           |          |                    |         |                |               |
| nucleus, <i>Lam.</i> .....                            |          |                    |         |                |               |
| ovata, <i>Forbes</i> .....                            |          |                    |         |                |               |
| rosca, <i>Brown</i> .....                             |          |                    |         |                |               |
| SPHENIA, <i>Turton</i> .                              |          |                    |         |                |               |
| Binghami, <i>Turton</i> .....                         |          |                    |         |                |               |
| NEERA, <i>Gray</i> .                                  |          |                    |         |                |               |
| abbreviata, <i>Forbes</i> .....                       |          |                    |         |                |               |
| costellata, <i>Desh.</i> .....                        |          |                    |         |                |               |
| cuspidata, <i>Olivi</i> .....                         |          |                    |         |                |               |
| POROMYA, <i>Forbes</i> . (=THETIS, <i>Sby.</i> )      |          |                    |         |                |               |
| granulata, <i>Nyst</i> .....                          |          |                    |         |                |               |
| PANOPEA, <i>Menard de la Groye</i> .                  |          |                    |         |                |               |
| Norvegica, <i>Speng.</i> .....                        |          |                    |         |                |               |

# LAMELLIBRANCHIATA.

| Species.                                       | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
| <i>SAXICATA, Bellevue.</i>                     | fathoms. | fathoms.        |         |            |               |
| <i>arctica, Linn.</i> .....                    |          |                 |         |            |               |
| <i>rugosa, Linn.</i> .....                     |          |                 |         |            |               |
| <i>COCHLODESMA, Leach. (= PERIPLOMA, Sch.)</i> |          |                 |         |            |               |
| <i>prætenue, Pult.</i> .....                   |          |                 |         |            |               |
| <i>THRACIA, Leach.</i>                         |          |                 |         |            |               |
| <i>convexa, Wood</i> .....                     |          |                 |         |            |               |
| <i>distorta, Mont.</i> .....                   |          |                 |         |            |               |
| <i>phaseolina, Lam.</i> .....                  |          |                 |         |            |               |
| <i>pubescens, Pult.</i> .....                  |          |                 |         |            |               |
| <i>villosiuscula, Macgill.</i> .....           |          |                 |         |            |               |
| <i>LYONSIA, Turton.</i>                        |          |                 |         |            |               |
| <i>Norvegica, Chemn.</i> .....                 |          |                 |         |            |               |
| <i>PANDORA, Bruguière.</i>                     |          |                 |         |            |               |
| <i>obtusa, Leach</i> .....                     |          |                 |         |            |               |
| <i>rostrata, Lam.</i> .....                    |          |                 |         |            |               |
| <i>GASTROCHLENA, Spengler.</i>                 |          |                 |         |            |               |
| <i>modiolina, Lam.</i> .....                   |          |                 |         |            |               |
| <i>PHOLAS, Linnæus.</i>                        |          |                 |         |            |               |
| <i>candida, Linn.</i> .....                    |          |                 |         |            |               |
| <i>crispata, Linn.</i> .....                   |          |                 |         |            |               |
| <i>dactylus, Linn.</i> .....                   |          |                 |         |            |               |
| <i>parva, Penn.</i> .....                      |          |                 |         |            |               |
| <i>striata, Linn.</i> .....                    |          |                 |         |            |               |
| <i>PHOLADIDEA, Turton.</i>                     |          |                 |         |            |               |
| <i>lamellata, Turton</i> .....                 |          |                 |         |            |               |
| <i>papyracca, Solander</i> .....               |          |                 |         |            |               |
| <i>XYLOPHAGA, Turton.</i>                      |          |                 |         |            |               |
| <i>dorsalis, Turton</i> .....                  |          |                 |         |            |               |
| <i>TEREDO, Adanson.</i>                        |          |                 |         |            |               |
| <i>bipennata, Turton</i> .....                 |          |                 |         |            |               |
| <i>malleolus, Turton</i> .....                 |          |                 |         |            |               |
| <i>megotara, Hanley</i> .....                  |          |                 |         |            |               |
| <i>navalis, Linn.</i> .....                    |          |                 |         |            |               |
| <i>Norvegica, Speng.</i> .....                 |          |                 |         |            |               |
| <i>palmulata, Lam.</i> .....                   |          |                 |         |            |               |

# BRACHIOPODA.

|                                       |  |  |  |  |
|---------------------------------------|--|--|--|--|
| <i>CRANIA, Retzius.</i>               |  |  |  |  |
| <i>anomala, Müller</i> .....          |  |  |  |  |
| <i>RHYNCHONELLA, Fischer.</i>         |  |  |  |  |
| <i>psittacea, Chemn.</i> .....        |  |  |  |  |
| <i>TEREBRATULA, Bruguière.</i>        |  |  |  |  |
| <i>caput serpentis, Linn.</i> .....   |  |  |  |  |
| <i>cranium, Müller</i> .....          |  |  |  |  |
| <i>capsula, Jeffreys</i> .....        |  |  |  |  |
| <i>ARGIOPE, Deslongchamps.</i>        |  |  |  |  |
| <i>cistellula, Searles Wood</i> ..... |  |  |  |  |



# TUNICATA.

| Species.                                    | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>APLIDIUM, Savigny.</i>                   | fathoms. | fathoms.        |         |            |               |
| <i>ticus, Linn.</i> . . . . .               |          |                 |         |            |               |
| <i>fallax, Johnst.</i> . . . . .            |          |                 |         |            |               |
| <i>nutans, Johnst.</i> . . . . .            |          |                 |         |            |               |
| <i>SIDNEYUM, Savigny.</i>                   |          |                 |         |            |               |
| <i>turbinatum, Savig.</i> . . . . .         |          |                 |         |            |               |
| <i>POLYCLINUM, Savigny.</i>                 |          |                 |         |            |               |
| <i>aurantium, M.-Edw.</i> . . . . .         |          |                 |         |            |               |
| <i>AMOUROUCIUM, M.-Edw.</i>                 |          |                 |         |            |               |
| <i>proliferum, M.-Edw.</i> . . . . .        |          |                 |         |            |               |
| <i>Nordmanni, M.-Edw.</i> . . . . .         |          |                 |         |            |               |
| <i>Argus, M.-Edw.</i> . . . . .             |          |                 |         |            |               |
| <i>LEPTOCLINUM, M.-Edw.</i>                 |          |                 |         |            |               |
| <i>maculosum, M.-Edw.</i> . . . . .         |          |                 |         |            |               |
| <i>asperum, M.-Edw.</i> . . . . .           |          |                 |         |            |               |
| <i>aureum, M.-Edw.</i> . . . . .            |          |                 |         |            |               |
| <i>gelatinosum, M.-Edw.</i> . . . . .       |          |                 |         |            |               |
| <i>Listerianum, M.-Edw.</i> . . . . .       |          |                 |         |            |               |
| <i>punctatum, Forbes</i> . . . . .          |          |                 |         |            |               |
| <i>DISTOMA, Gaertner.</i>                   |          |                 |         |            |               |
| <i>rubrum, Savig.</i> . . . . .             |          |                 |         |            |               |
| <i>variolosum, Gaertner</i> . . . . .       |          |                 |         |            |               |
| <i>BOTRYLLUS, Gaertner.</i>                 |          |                 |         |            |               |
| <i>Schlosseri, Pallas</i> . . . . .         |          |                 |         |            |               |
| <i>polycyclus, Savig.</i> . . . . .         |          |                 |         |            |               |
| <i>gemmeus, Savig.</i> . . . . .            |          |                 |         |            |               |
| <i>violaceus, M.-Edw.</i> . . . . .         |          |                 |         |            |               |
| <i>smaragdus, M.-Edw.</i> . . . . .         |          |                 |         |            |               |
| <i>virescens, A. &amp; H.</i> . . . . .     |          |                 |         |            |               |
| <i>bivittatus, M.-Edw.</i> . . . . .        |          |                 |         |            |               |
| <i>rubens, A. &amp; H.</i> . . . . .        |          |                 |         |            |               |
| <i>castaneus, A. &amp; H.</i> . . . . .     |          |                 |         |            |               |
| <i>BOTRYLLOIDES, M.-Edw.</i>                |          |                 |         |            |               |
| <i>Leachii, Savig.</i> . . . . .            |          |                 |         |            |               |
| <i>ramulosa, A. &amp; H.</i> . . . . .      |          |                 |         |            |               |
| <i>albicans, M.-Edw.</i> . . . . .          |          |                 |         |            |               |
| <i>radiata, A. &amp; H.</i> . . . . .       |          |                 |         |            |               |
| <i>rotifera, M.-Edw.</i> . . . . .          |          |                 |         |            |               |
| <i>rubra, M.-Edw.</i> . . . . .             |          |                 |         |            |               |
| <i>CLAVELINA, Savigny.</i>                  |          |                 |         |            |               |
| <i>lepadiformis, O. F. Müller</i> . . . . . |          |                 |         |            |               |
| <i>PEROPHORA, Wiegmann.</i>                 |          |                 |         |            |               |
| <i>Listeri, Wagn.</i> . . . . .             |          |                 |         |            |               |
| <i>SYNTETHYS, Forbes &amp; Goodsir.</i>     |          |                 |         |            |               |
| <i>Hebridicus, F. &amp; G.</i> . . . . .    |          |                 |         |            |               |

# TUNICATA.

| Species.                               | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| <b>ASCIDIA, Baster.</b>                |          |                 |         |            |               |
| intestinalis, Linn. ....               |          |                 |         |            |               |
| canina, O. F. Müll. ....               |          |                 |         |            |               |
| venosa, O. F. Müll. ....               |          |                 |         |            |               |
| mentula, O. F. Müll. ....              |          |                 |         |            |               |
| arachnoidea, E. Forbes ....            |          |                 |         |            |               |
| scabra, O. F. Müll. ....               |          |                 |         |            |               |
| virginica, O. F. Müll. ....            |          |                 |         |            |               |
| parallelogramma, O. F. Müll. .         |          |                 |         |            |               |
| prunum, Müll. ? ....                   |          |                 |         |            |               |
| orbicularis, Müll. ....                |          |                 |         |            |               |
| depressa, A. & H. ....                 |          |                 |         |            |               |
| aspersa, Müll. ....                    |          |                 |         |            |               |
| vitrea, Van Beneden ....               |          |                 |         |            |               |
| conchilega, O. F. Müll. ....           |          |                 |         |            |               |
| echinata, Linn. ....                   |          |                 |         |            |               |
| sordida, A. & H. ....                  |          |                 |         |            |               |
| albida, A. & H. ....                   |          |                 |         |            |               |
| elliptica, A. & H. ....                |          |                 |         |            |               |
| pellucida, A. & H. ....                |          |                 |         |            |               |
| <b>MOLGULA, E. Forbes.</b>             |          |                 |         |            |               |
| oculata, E. Forbes ....                |          |                 |         |            |               |
| arenosa, A. & H. ....                  |          |                 |         |            |               |
| <b>CYNTHIA, Savigny.</b>               |          |                 |         |            |               |
| microcosmus, Savig. ....               |          |                 |         |            |               |
| claudicans, Savig. ....                |          |                 |         |            |               |
| tuberosa, Macgillivray ....            |          |                 |         |            |               |
| quadrangularis, E. Forbes ....         |          |                 |         |            |               |
| informis, E. Forbes ....               |          |                 |         |            |               |
| tessellata, E. Forbes ....             |          |                 |         |            |               |
| limacina, E. Forbes ....               |          |                 |         |            |               |
| morus, E. Forbes ....                  |          |                 |         |            |               |
| rustica, Linn. ....                    |          |                 |         |            |               |
| grossularia, Van Beneden ....          |          |                 |         |            |               |
| ampulla, Brug. ....                    |          |                 |         |            |               |
| mamillaris, Pallas ....                |          |                 |         |            |               |
| aggregata, Rathke ....                 |          |                 |         |            |               |
| coriacea, A. & H. ....                 |          |                 |         |            |               |
| <b>PELONATA, Forbes &amp; Goodsir.</b> |          |                 |         |            |               |
| corrugata, Forbes & Hanl. ....         |          |                 |         |            |               |
| glabra, Forbes & Hanl. ....            |          |                 |         |            |               |
| <b>SALPA, Chamisso.</b>                |          |                 |         |            |               |
| runcinata, Cham. ....                  |          |                 |         |            |               |
| <b>APPENDICULARIA, Chamisso.</b>       |          |                 |         |            |               |
| sp. ....                               |          |                 |         |            |               |

## CRUSTACEA.

## BRACHYURA.

| Species.   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| STENORHYNCHUS, <i>Lamarch.</i>                             |          |                    |         |                 |               |
| phalangium, <i>Pennant</i> .....                           |          |                    |         |                 |               |
| tenuirostris, <i>Leach</i> .....                           |          |                    |         |                 |               |
| ACHLEUS, <i>Leach.</i>                                     |          |                    |         |                 |               |
| Cranchii, <i>Leach</i> .....                               |          |                    |         |                 |               |
| INACHUS, <i>Fabr.</i>                                      |          |                    |         |                 |               |
| Dorsettensis, <i>Penn.</i> .....                           |          |                    |         |                 |               |
| dorhynchus, <i>Leach</i> .....                             |          |                    |         |                 |               |
| leptochirus, <i>Leach</i> .....                            |          |                    |         |                 |               |
| PISA, <i>Leach</i> ( <i>ARCTOPSIS</i> , <i>Lam.</i> ).     |          |                    |         |                 |               |
| tetraodon, <i>Leach</i> .....                              |          |                    |         |                 |               |
| Gibbsii, <i>Leach</i> ( <i>lanata</i> , <i>Lam.</i> ) ..   |          |                    |         |                 |               |
| HYAS, <i>Leach.</i>  |          |                    |         |                 |               |
| araneus, <i>Fabr.</i> .....                                |          |                    |         |                 |               |
| coarctatus, <i>Leach</i> .....                             |          |                    |         |                 |               |
| MAIA, <i>Lam.</i>  |          |                    |         |                 |               |
| squinado, <i>Herbst</i> .....                              |          |                    |         |                 |               |
| ETRYNOME, <i>Leach.</i>                                    |          |                    |         |                 |               |
| aspera, <i>Leach</i> .....                                 |          |                    |         |                 |               |
| XANTHO, <i>Leach.</i>                                      |          |                    |         |                 |               |
| florida, <i>Leach</i> .....                                |          |                    |         |                 |               |
| rivulosa, <i>Edw.</i> .....                                |          |                    |         |                 |               |
| tuberculata, <i>Couch</i> .....                            |          |                    |         |                 |               |
| CANCEB, <i>Linn.</i>                                       |          |                    |         |                 |               |
| pagurus, <i>Linn.</i> .....                                |          |                    |         |                 |               |
| PILUMNUS, <i>Leach.</i>                                    |          |                    |         |                 |               |
| hirtellus, <i>Leach</i> .....                              |          |                    |         |                 |               |
| PIRIMELA, <i>Leach.</i>                                    |          |                    |         |                 |               |
| denticulata, <i>Mont.</i> .....                            |          |                    |         |                 |               |
| CARCINUS, <i>Leach.</i>                                    |          |                    |         |                 |               |
| maenas, <i>Linn.</i> .....                                 |          |                    |         |                 |               |
| PORTUNUS, <i>Leach.</i>                                    |          |                    |         |                 |               |
| variegatus, <i>Leach</i> ( <i>latipes</i> , <i>Penn.</i> ) |          |                    |         |                 |               |
| PORTUNUS, <i>Leach.</i>                                    |          |                    |         |                 |               |
| puber, <i>Linn.</i> .....                                  |          |                    |         |                 |               |
| corrugatus, <i>Leach</i> .....                             |          |                    |         |                 |               |
| arcuatus, <i>Leach</i> .....                               |          |                    |         |                 |               |
| depurator, <i>Leach</i> .....                              |          |                    |         |                 |               |
| marmoreus, <i>Leach</i> .....                              |          |                    |         |                 |               |
| holsatus, <i>Fabr.</i> .....                               |          |                    |         |                 |               |
| pusillus, <i>Leach</i> .....                               |          |                    |         |                 |               |
| longipes, <i>Risso</i> .....                               |          |                    |         |                 |               |
| plicatus, <i>Risso</i> .....                               |          |                    |         |                 |               |
| carcinoides, <i>Kin.</i> .....                             |          |                    |         |                 |               |
| POLYBIUS, <i>Leach.</i>                                    |          |                    |         |                 |               |
| Henslowii, <i>Leach</i> .....                              |          |                    |         |                 |               |



# CRUSTACEA.

| Species.   | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
| PINNOTHERES, <i>Latr.</i>                        | fathoms. | fathoms.        |         |            |               |
| pisum, <i>Penn.</i> .....                        |          |                 |         |            |               |
| veterum, <i>Bosc</i> .....                       |          |                 |         |            |               |
| GONOPLEX, <i>Leach.</i>                          |          |                 |         |            |               |
| angulata, <i>Leach</i> .....                     |          |                 |         |            |               |
| PLANES, <i>Leach.</i>                            |          |                 |         |            |               |
| Linnaeana, <i>Leach</i> .....                    |          |                 |         |            |               |
| EBALIA, <i>Leach.</i>                            |          |                 |         |            |               |
| Pennantii (tuberosa, <i>Penn.</i> ) ..           |          |                 |         |            |               |
| Bryerii, <i>Leach</i> (tumefacta, <i>Mont.</i> ) |          |                 |         |            |               |
| Cranchii, <i>Leach</i> .....                     |          |                 |         |            |               |
| ATELECYCLUS, <i>Leach.</i>                       |          |                 |         |            |               |
| heterodon, <i>Leach</i> (septemden-              |          |                 |         |            |               |
| tatus, <i>Mont.</i> ) .....                      |          |                 |         |            |               |
| CORYSTES, <i>Leach.</i>                          |          |                 |         |            |               |
| Cassivelaunus, <i>Leach</i> .....                |          |                 |         |            |               |
| THIA, <i>Leach.</i>                              |          |                 |         |            |               |
| polita, <i>Leach</i> .....                       |          |                 |         |            |               |

# ANOMOURA.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| DROMIA, <i>Edw.</i>                              |  |  |  |  |  |
| vulgaris, <i>Edw.</i> .....                      |  |  |  |  |  |
| LITHODES, <i>Latr.</i>                           |  |  |  |  |  |
| Maia, <i>Leach</i> .....                         |  |  |  |  |  |
| PAGURUS, <i>Fabr.</i>                            |  |  |  |  |  |
| Bernhardus, <i>Linn.</i> .....                   |  |  |  |  |  |
| Prideauxii, <i>Leach</i> .....                   |  |  |  |  |  |
| Cuanensis, <i>Thompson</i> .....                 |  |  |  |  |  |
| Ulidianus, <i>Thompson</i> .....                 |  |  |  |  |  |
| Hyndmanni, <i>Thompson</i> .....                 |  |  |  |  |  |
| levis, <i>Thompson</i> .....                     |  |  |  |  |  |
| Forbesii, <i>Bell</i> .....                      |  |  |  |  |  |
| Thompsoni, <i>Bell</i> .....                     |  |  |  |  |  |
| fasciatus, <i>Bell</i> .....                     |  |  |  |  |  |
| Dillwynii, <i>Spence Bate</i> .....              |  |  |  |  |  |
| PORCELLANA, <i>Lamarck.</i>                      |  |  |  |  |  |
| platycheles, <i>Penn.</i> .....                  |  |  |  |  |  |
| longicornis, <i>Penn.</i> .....                  |  |  |  |  |  |
| GALATHEA, <i>Fabr.</i>                           |  |  |  |  |  |
| squamifera, <i>Leach</i> .....                   |  |  |  |  |  |
| dispersa, <i>Spence Bate</i> .....               |  |  |  |  |  |
| strigosa, <i>Fabr.</i> .....                     |  |  |  |  |  |
| nexa, <i>Emb.</i> .....                          |  |  |  |  |  |
| Andrewsii, <i>Kinahan</i> .....                  |  |  |  |  |  |
| MUNIDA, <i>Leach.</i>                            |  |  |  |  |  |
| Bamfica, <i>Penn.</i> (Rondeletii, <i>Bell</i> ) |  |  |  |  |  |

## CRUSTACEA.

## MACROURA.

| Species.  | Range.   | Found<br>living at | Ground | Fre-<br>quency. | Observations. |
|---|----------|--------------------|--------|-----------------|---------------|
|   | fathoms. | fathoms.           |        |                 |               |
| SCYLLARUS, <i>Fabr.</i>   |          |                    |        |                 |               |
| <i>arctus</i> , <i>Linn.</i> . . . . .                          |          |                    |        |                 |               |
| PALINURUS, <i>Fabr.</i>   |          |                    |        |                 |               |
| <i>Homarus</i> , <i>Linn.</i> . . . . .                         |          |                    |        |                 |               |
| CALLIANASSA, <i>Leach.</i>                                      |          |                    |        |                 |               |
| <i>subterranea</i> , <i>Leach</i> . . . . .                     |          |                    |        |                 |               |
| GEBIA, <i>Leach.</i>  |          |                    |        |                 |               |
| <i>stellata</i> , <i>Mont.</i> . . . . .                        |          |                    |        |                 |               |
| <i>deltura</i> , <i>Leach</i> . . . . .                         |          |                    |        |                 |               |
| AXIUS, <i>Leach.</i>  |          |                    |        |                 |               |
| <i>stirhynchus</i> , <i>Leach</i> . . . . .                     |          |                    |        |                 |               |
| CALOCARIS, <i>Bell.</i>   |          |                    |        |                 |               |
| <i>Macandrewæ</i> , <i>Bell</i> . . . . .                       |          |                    |        |                 |               |
| ASTACUS, <i>Fabr.</i>   |          |                    |        |                 |               |
| <i>gammarus</i> ( <i>L.</i> ) ( <i>marinus</i> , <i>Fabr.</i> ) |          |                    |        |                 |               |
| <i>vulgaris</i> , <i>Edw.</i> ) . . . . .                       |          |                    |        |                 |               |
| NEPHROPS, <i>Leach.</i>   |          |                    |        |                 |               |
| <i>Norvegicus</i> , <i>Linn.</i> . . . . .                      |          |                    |        |                 |               |
| CRANGON, <i>Fabr.</i>   |          |                    |        |                 |               |
| <i>vulgaris</i> , <i>Fabr.</i> . . . . .                        |          |                    |        |                 |               |
| <i>fasciatus</i> , <i>Risso</i> . . . . .                       |          |                    |        |                 |               |
| <i>spinosus</i> , <i>Leach</i> . . . . .                        |          |                    |        |                 |               |
| <i>sculptus</i> , <i>Bell</i> . . . . .                         |          |                    |        |                 |               |
| <i>trispinosus</i> , <i>Hailstone</i> . . . . .                 |          |                    |        |                 |               |
| <i>bispinosus</i> , <i>Westw., Kinahan</i> . .                  |          |                    |        |                 |               |
| <i>Allmanni</i> , <i>Kin.</i> . . . . .                         |          |                    |        |                 |               |
| <i>Pattersonii</i> , <i>Kin.</i> . . . . .                      |          |                    |        |                 |               |
| ALPHEUS, <i>Fabr.</i>   |          |                    |        |                 |               |
| <i>ruber</i> , <i>Edw.</i> . . . . .                            |          |                    |        |                 |               |
| <i>affinis</i> , <i>Guisé</i> . . . . .                         |          |                    |        |                 |               |
| AUTONOMEA, <i>Risso.</i>  |          |                    |        |                 |               |
| <i>Olivii</i> , <i>Risso</i> . . . . .                          |          |                    |        |                 |               |
| NIKA, <i>Risso.</i>   |          |                    |        |                 |               |
| <i>edulis</i> , <i>Risso</i> . . . . .                          |          |                    |        |                 |               |
| <i>Couchii</i> , <i>Bell</i> . . . . .                          |          |                    |        |                 |               |
| ATHANAS, <i>Leach.</i>  |          |                    |        |                 |               |
| <i>nitescens</i> , <i>Mont., Leach</i> . . . . .                |          |                    |        |                 |               |
| HIPPOLYTE, <i>Leach.</i>  |          |                    |        |                 |               |
| <i>spinus</i> , <i>Sowerby</i> . . . . .                        |          |                    |        |                 |               |
| <i>varians</i> , <i>Leach</i> . . . . .                         |          |                    |        |                 |               |
| <i>Cranchii</i> , <i>Leach</i> . . . . .                        |          |                    |        |                 |               |
| <i>Thompsoni</i> , <i>Bell</i> . . . . .                        |          |                    |        |                 |               |
| <i>Prideauxiana</i> , <i>Leach</i> . . . . .                    |          |                    |        |                 |               |
| <i>Gordoni</i> , <i>Spence Bate</i> . . . . .                   |          |                    |        |                 |               |
| <i>fascigera</i> , <i>Gosse</i> . . . . .                       |          |                    |        |                 |               |

# CRUSTACEA.

| Species.                         | Range.   | Found living at | Ground. | Frequency. | Observations. |
|----------------------------------|----------|-----------------|---------|------------|---------------|
| <b>HIPPOLYTE, Leach.</b>         | fathoms. | fathoms.        |         |            |               |
| Grayana, Thompson .....          |          |                 |         |            |               |
| Mitchelli, Thompson .....        |          |                 |         |            |               |
| Whitei, Thompson .....           |          |                 |         |            |               |
| Yarrelli, Thompson .....         |          |                 |         |            |               |
| Barleci, Spence Bate .....       |          |                 |         |            |               |
| pandaliformis, Bell .....        |          |                 |         |            |               |
| pusiola, Kröyer .....            |          |                 |         |            |               |
| <b>PANDALUS, Leach.</b>          |          |                 |         |            |               |
| Jeffreysii, Spence Bate, Kinahan |          |                 |         |            |               |
| annulicornis, Leach .....        |          |                 |         |            |               |
| leptorhynchus, Kin. ....         |          |                 |         |            |               |
| <b>PALEMEN, Fabr.</b>            |          |                 |         |            |               |
| serratus, Penn. ....             |          |                 |         |            |               |
| squilla, Fabr. ....              |          |                 |         |            |               |
| Leachii, Bell .....              |          |                 |         |            |               |
| varians, Leach .....             |          |                 |         |            |               |
| <b>PASIPHEA, Savigny.</b>        |          |                 |         |            |               |
| sivado, Risso .....              |          |                 |         |            |               |
| <b>PENÆUS, Fabr.</b>             |          |                 |         |            |               |
| caramote, Risso. ....            |          |                 |         |            |               |

# STOMAPODA.

|                                     |  |  |  |  |  |
|-------------------------------------|--|--|--|--|--|
| <b>MYRIS, Latr.</b>                 |  |  |  |  |  |
| chamæleon, V. Thompson ....         |  |  |  |  |  |
| vulgaris, V. Thompson .....         |  |  |  |  |  |
| Griffithsiæ, Bell .....             |  |  |  |  |  |
| Lamörnæ, Couch .....                |  |  |  |  |  |
| productus, Gosse .....              |  |  |  |  |  |
| Oberon, Couch .....                 |  |  |  |  |  |
| <b>THYSANOPODA, Edw.</b>            |  |  |  |  |  |
| Couchii, Bell .....                 |  |  |  |  |  |
| <b>MACROMYSIS, White (THEMISTO,</b> |  |  |  |  |  |
| Goodsir, Bell).                     |  |  |  |  |  |
| longispinosus, Goodsir .....        |  |  |  |  |  |
| brevispinosus, Goodsir .....        |  |  |  |  |  |
| <b>CYNTHILLA, White (CYNTHIA,</b>   |  |  |  |  |  |
| V. Thomps., Bell).                  |  |  |  |  |  |
| Flemingii, Goodsir .....            |  |  |  |  |  |
| <b>UTMA, Edwards.</b>               |  |  |  |  |  |
| scorpioides, Mont. ....             |  |  |  |  |  |
| unguiculata, Spence Bate .....      |  |  |  |  |  |
| <b>VAUNTHOMSONIA, Spence Bate.</b>  |  |  |  |  |  |
| Edwardsii, Kröyer .....             |  |  |  |  |  |
| cristata, Spence Bate .....         |  |  |  |  |  |



CRUSTACEA.

| Species.   | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| DIASTYLIS, Say (ALATINA, Goodsir, Bell).               |          |                 |         |            |               |
| Rathkii, Kr. (rostrata, Goodsir, Bell)                 |          |                 |         |            |               |
| EUDORA, Spence Bate.                                   |          |                 |         |            |               |
| truncatula, Spence Bate                                |          |                 |         |            |               |
| IPHITHOË, Spence Bate (ITALIA, Spence Bate, White).    |          |                 |         |            |               |
| trispinosa, Goodsir                                    |          |                 |         |            |               |
| BODOTRIA, Goodsir.                                     |          |                 |         |            |               |
| arenosa, Goodsir                                       |          |                 |         |            |               |
| UTRIANASSA, Spence Bate (VENILIA, Spence Bate, White). |          |                 |         |            |               |
| gracilis, Spence Bate                                  |          |                 |         |            |               |
| longicornis, Spence Bate                               |          |                 |         |            |               |
| SQUILLA, Fabr.   |          |                 |         |            |               |
| Desmarestii, Risso                                     |          |                 |         |            |               |
| mantis, Rondelet                                       |          |                 |         |            |               |
| PHYLLOSOMA, Leach.                                     |          |                 |         |            |               |
| Cranchii, Leach  |          |                 |         |            |               |

AMPHIPODA NORMALIA.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| TALITRUS, Latr.  |  |  |  |  |  |
| locusta, Auct.   |  |  |  |  |  |
| ORCHESTIA, Leach.  |  |  |  |  |  |
| littorea, Mont.  |  |  |  |  |  |
| Deshayesii, Savig.   |  |  |  |  |  |
| Mediterranea, Costa (lævis, S. Bate; littorea, var., White). |  |  |  |  |  |
| ALLORCHESTES, Dana.  |  |  |  |  |  |
| Nilssonii, Krøyer (Danai, Spence Bate)                       |  |  |  |  |  |
| imbricatus, Spence Bate                                      |  |  |  |  |  |
| NICEA, Nicolet (GALANTHIS, Spence Bate).                     |  |  |  |  |  |
| Lubbockiana, Spence Bate                                     |  |  |  |  |  |
| MONTAGUA, Spence Bate.                                       |  |  |  |  |  |
| monoculoides, Montagu (Typhis monoculoides, White, Gosse).   |  |  |  |  |  |
| marina, Spence Bate  |  |  |  |  |  |
| Alderii, Spence Bate   |  |  |  |  |  |
| pollexiana, Spence Bate                                      |  |  |  |  |  |
| DANAIA, Spence Bate.   |  |  |  |  |  |
| dubia, Spence Bate   |  |  |  |  |  |
| LYSIANASSA, M.-Edw.  |  |  |  |  |  |
| Costæ, M.-Edw.   |  |  |  |  |  |

CRUSTACEA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| LYSIANASSA, <i>M.-Edw.</i>  |          |                 |         |            |               |
| <i>Audouiniana, Spence Bate</i> . . . . .                         |          |                 |         |            |               |
| <i>longicornis, Lucas (Chausica, Spence Bate, not M.-Edwards)</i> |          |                 |         |            |               |
| <i>Atlantica, Edw. (marina, Spence Bate)</i> . . . . .            |          |                 |         |            |               |
| CALLISOMA, <i>Hope (SCOPELOCHEIRUS, Spence Bate).</i>             |          |                 |         |            |               |
| <i>crenata, Spence Bate</i> . . . . .                             |          |                 |         |            |               |
| ANONYX, <i>Kröyer.</i>  |          |                 |         |            |               |
| <i>Edwardsi, Kröyer</i> . . . . .                                 |          |                 |         |            |               |
| <i>minutus, Kröyer</i> . . . . .                                  |          |                 |         |            |               |
| <i>Holbölli, Kröyer</i> . . . . .                                 |          |                 |         |            |               |
| <i>ampulla, Kröyer</i> . . . . .                                  |          |                 |         |            |               |
| <i>denticulatus, Spence Bate</i> . . . . .                        |          |                 |         |            |               |
| <i>longipes, Spence Bate</i> . . . . .                            |          |                 |         |            |               |
| <i>obesus, Spence Bate</i> . . . . .                              |          |                 |         |            |               |
| <i>longicornis, Spence Bate</i> . . . . .                         |          |                 |         |            |               |
| OPIS, <i>Kröyer.</i>  |          |                 |         |            |               |
| <i>typica, Kröyer</i> . . . . .                                   |          |                 |         |            |               |
| AMPELISCA, <i>Kröyer (TETROMATUS, Spence Bate).</i>               |          |                 |         |            |               |
| <i>Gaimardii, Kröy. (typica, Sp.B.)</i>                           |          |                 |         |            |               |
| <i>Belliana, Spence Bate</i> . . . . .                            |          |                 |         |            |               |
| WESTWOODILLA ( <i>WESTWOODIA, Spence Bate).</i>                   |          |                 |         |            |               |
| <i>cæcula, Spence Bate</i> . . . . .                              |          |                 |         |            |               |
| <i>hyalina, Spence Bate</i> . . . . .                             |          |                 |         |            |               |
| MONOCULODES, <i>Stimpson.</i>                                     |          |                 |         |            |               |
| <i>carinatus, Spence Bate</i> . . . . .                           |          |                 |         |            |               |
| KRÖYERA, <i>Spence Bate.</i>                                      |          |                 |         |            |               |
| <i>arenaria, Spence Bate</i> . . . . .                            |          |                 |         |            |               |
| PHOXUS, <i>Kröyer.</i>  |          |                 |         |            |               |
| <i>simplex, Spence Bate (Kröyeri, Spence Bate, not Stimpson).</i> |          |                 |         |            |               |
| <i>plumosus, Holböll</i> . . . . .                                |          |                 |         |            |               |
| <i>Holbölli, Kröy.</i> . . . . .                                  |          |                 |         |            |               |
| SULCATOR, <i>Spence Bate.</i>                                     |          |                 |         |            |               |
| <i>arenarius, Spence Bate</i> . . . . .                           |          |                 |         |            |               |
| UROTHOË, <i>Dana.</i>   |          |                 |         |            |               |
| <i>marinus, Spence Bate (Sulcator marinus)</i> . . . . .          |          |                 |         |            |               |
| <i>Bairdii, Spence Bate</i> . . . . .                             |          |                 |         |            |               |
| <i>medius, Spence Bate</i> . . . . .                              |          |                 |         |            |               |
| <i>elegans, Spence Bate</i> . . . . .                             |          |                 |         |            |               |
| GRAYIA, <i>Spence Bate.</i>                                       |          |                 |         |            |               |
| <i>imbricata, Spence Bate</i> . . . . .                           |          |                 |         |            |               |
| LILJEBORGIA, <i>Spence Bate.</i>                                  |          |                 |         |            |               |
| <i>pallida, Spence Bate</i> . . . . .                             |          |                 |         |            |               |

## CRUSTACEA.

| Species.   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| <i>PHLEDRA</i> , <i>Spence Bate</i> .                            |          |                    |         |                 |               |
| <i>antiqua</i> , <i>Spence Bate</i> .....                        |          |                    |         |                 |               |
| <i>Kinahani</i> , <i>Spence Bate</i> .....                       |          |                    |         |                 |               |
| <i>ISSEA</i> , <i>M.-Edwards</i> .                               |          |                    |         |                 |               |
| <i>Montagui</i> , <i>M.-Edw.</i> .....                           |          |                    |         |                 |               |
| <i>IPHIMEDIA</i> , <i>Rathke</i> .                               |          |                    |         |                 |               |
| <i>obesa</i> , <i>Rathke</i> .....                               |          |                    |         |                 |               |
| <i>Eblanæ</i> , <i>Spence Bate</i> .....                         |          |                    |         |                 |               |
| <i>OTUS</i> , <i>Spence Bate</i> .                               |          |                    |         |                 |               |
| <i>carinatus</i> , <i>Spence Bate</i> ...                        |          |                    |         |                 |               |
| <i>ACANTHONOTUS</i> , <i>Owen</i> .                              |          |                    |         |                 |               |
| <i>testudo</i> , <i>Montagu</i> .....                            |          |                    |         |                 |               |
| <i>DEXAMINE</i> , <i>Leach</i> .                                 |          |                    |         |                 |               |
| <i>Loughrinii</i> , <i>Spence Bate</i> ..                        |          |                    |         |                 |               |
| <i>spinosa</i> , <i>Mont.</i> .....                              |          |                    |         |                 |               |
| <i>EUSIRUS</i> , <i>Kröyer</i> .                                 |          |                    |         |                 |               |
| <i>Edwardi</i> , <i>Spence Bate</i> .....                        |          |                    |         |                 |               |
| <i>ATYLUS</i> , <i>Leach</i> .                                   |          |                    |         |                 |               |
| <i>bispinosus</i> , <i>Spence Bate</i> .....                     |          |                    |         |                 |               |
| <i>Huxleyanus</i> , <i>Spence Bate</i>                           |          |                    |         |                 |               |
| <i>Gordonianus</i> , <i>Spence Bate</i>                          |          |                    |         |                 |               |
| <i>PIERUSA</i> , <i>Leach</i> .                                  |          |                    |         |                 |               |
| <i>cirrus</i> , <i>Spence Bate</i> .....                         |          |                    |         |                 |               |
| <i>fucicola</i> , <i>Edw.</i> .....                              |          |                    |         |                 |               |
| <i>CALLIOPE</i> , <i>Leach</i> .                                 |          |                    |         |                 |               |
| <i>Leachii</i> , <i>Spence Bate</i> .....                        |          |                    |         |                 |               |
| <i>EUSIRUS</i> , <i>Spence Bate</i> .                            |          |                    |         |                 |               |
| <i>Helvetiæ</i> , <i>Spence Bate</i> .....                       |          |                    |         |                 |               |
| <i>LEMBO</i> , <i>Spence Bate</i> .                              |          |                    |         |                 |               |
| <i>Cambriensis</i> , <i>Spence Bate</i>                          |          |                    |         |                 |               |
| <i>versiculatus</i> , <i>Spence Bate</i> .....                   |          |                    |         |                 |               |
| <i>Websterii</i> , <i>Spence Bate</i> .....                      |          |                    |         |                 |               |
| <i>Danmoniensis</i> , <i>Spence Bate</i> ...                     |          |                    |         |                 |               |
| <i>AÖRA</i> , <i>Kröy.</i> (= <i>LALARIA</i> , <i>Nicolet</i> ). |          |                    |         |                 |               |
| <i>gracilis</i> , <i>Spence Bate</i> .....                       |          |                    |         |                 |               |
| <i>EURYSTHEUS</i> , <i>Spence Bate</i> .                         |          |                    |         |                 |               |
| <i>tridentatus</i> , <i>Spence Bate</i> .....                    |          |                    |         |                 |               |
| <i>tuberculosus</i> , <i>Spence Bate</i>                         |          |                    |         |                 |               |
| <i>GAMMARILLA</i> , <i>Spence Bate</i> .                         |          |                    |         |                 |               |
| <i>brevicaudata</i> , <i>M.-Edw.</i> (= <i>G. or-</i>            |          |                    |         |                 |               |
| <i>chestiformis</i> , <i>Spence Bate</i> ) ..                    |          |                    |         |                 |               |
| <i>CRANGONYX</i> , <i>Spence Bate</i> .                          |          |                    |         |                 |               |
| <i>subterranea</i> , <i>Spence Bate</i> .....                    |          |                    |         |                 |               |
| <i>AMATHIA</i> , <i>Rathke</i> .                                 |          |                    |         |                 |               |
| <i>Sabinii</i> , <i>Leach</i> .....                              |          |                    |         |                 |               |
| <i>GAMMARUS</i> , <i>Fabr.</i>                                   |          |                    |         |                 |               |
| <i>locusta</i> , <i>Fabr.</i> .....                              |          |                    |         |                 |               |
| <i>fluviatilis</i> , <i>Russel</i>                               |          |                    |         |                 |               |
| <i>gracilis</i> , <i>Rathke</i> .....                            |          |                    |         |                 |               |



CRUSTACEA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| <i>GAMMARUS, Fabr.</i>  |          |                 |         |            |               |
| <i>camptolops, Leach</i> . . . . .                                |          |                 |         |            |               |
| <i>marinus, Leach</i> . . . . .                                   |          |                 |         |            |               |
| <i>laminatus, Johnston</i> . . . . .                              |          |                 |         |            |               |
| <i>longimanus, Leach</i> . . . . .                                |          |                 |         |            |               |
| <i>palmaris, Mont. (inæquimanus, Spence Bate)</i> . . . . .       |          |                 |         |            |               |
| <i>grossimanus, Mont.</i> . . . . .                               |          |                 |         |            |               |
| <i>maculatus, Johnston</i> . . . . .                              |          |                 |         |            |               |
| <i>BATHYPOREIA, Lindström (Theristes, Spence Bate).</i>           |          |                 |         |            |               |
| <i>pilosa, Lindström</i> . . . . .                                |          |                 |         |            |               |
| <i>pelagica, Spence Bate</i> . . . . .                            |          |                 |         |            |               |
| <i>Robertsoni, Spence Bate</i> . . . . .                          |          |                 |         |            |               |
| <i>LEUCOTHOË, Leach, not Kröyer.</i>                              |          |                 |         |            |               |
| <i>articulosa, Mont.</i> . . . . .                                |          |                 |         |            |               |
| <i>furina, Savig. (procera, Sp. Bate)</i>                         |          |                 |         |            |               |
| <i>PLEONEXES, Spence Bate.</i>                                    |          |                 |         |            |               |
| <i>gammaroides, Spence Bate</i> . . . . .                         |          |                 |         |            |               |
| <i>AMPHITHOË, Leach.</i>  |          |                 |         |            |               |
| <i>rubricata, Mont.</i> . . . . .                                 |          |                 |         |            |               |
| <i>littorina, Spence Bate</i> . . . . .                           |          |                 |         |            |               |
| ? <i>obtusata, Leach</i> . . . . .                                |          |                 |         |            |               |
| ? <i>dubia, Johnston</i> . . . . .                                |          |                 |         |            |               |
| <i>SUNAMPHITHOË, Spence Bate.</i>                                 |          |                 |         |            |               |
| <i>hamulus, Spence Bate</i> . . . . .                             |          |                 |         |            |               |
| <i>conformata, Spence Bate</i> . . . . .                          |          |                 |         |            |               |
| <i>PODOCERUS, Leach.</i>  |          |                 |         |            |               |
| <i>falcatus, Mont.</i> . . . . .                                  |          |                 |         |            |               |
| <i>variegatus, Leach</i> . . . . .                                |          |                 |         |            |               |
| <i>pulehellus, Leach</i> . . . . .                                |          |                 |         |            |               |
| <i>JASSA ?, Leach.</i>  |          |                 |         |            |               |
| <i>pelagica, Leach</i> . . . . .                                  |          |                 |         |            |               |
| <i>SIPHONOCETUS, Kröyer.</i>                                      |          |                 |         |            |               |
| <i>Whitei, Gosse</i> . . . . .                                    |          |                 |         |            |               |
| <i>ERICHTHONIUS, M.-Edw.</i>                                      |          |                 |         |            |               |
| <i>difformis, M.-Edw.</i> . . . . .                               |          |                 |         |            |               |
| <i>CYRTOPHIUM, Dana.</i>  |          |                 |         |            |               |
| <i>Darwinii, Spence Bate</i> . . . . .                            |          |                 |         |            |               |
| <i>COROPHIUM, Latreille.</i>                                      |          |                 |         |            |               |
| <i>longicorne, Fabr.</i> . . . . .                                |          |                 |         |            |               |
| <i>CHELURA, Philippi.</i>   |          |                 |         |            |               |
| <i>terebrans, Phil.</i> . . . . .                                 |          |                 |         |            |               |
| <i>HYPERIA, Latreille.</i>  |          |                 |         |            |               |
| <i>Galba, Mont. (Latreillii, Edw. = Metoëus medusarum, Latr.)</i> |          |                 |         |            |               |
| <i>oblivia, Kröyer.</i> . . . . .                                 |          |                 |         |            |               |

## CRUSTACEA.

## AMPHIPODA HYPERINA.

| Species.                                    | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| <i>LESTRIGONUS</i> , <i>Guérin</i> .        |          |                    |         |                 |               |
| <i>Fabricii</i> , <i>M.-Edw.</i> . . . . .  |          |                    |         |                 |               |
| <i>PHTONIMA</i> , <i>Latr.</i>              |          |                    |         |                 |               |
| <i>sedentaria</i> , <i>Forsk.</i> . . . . . |          |                    |         |                 |               |
| <i>TYPHIS</i> , <i>Risso</i> .              |          |                    |         |                 |               |
| <i>nolens</i> , <i>Johnston</i> . . . . .   |          |                    |         |                 |               |

AMPHIPODA ABERRANTIA. (*LEMODIPODA* of *Latreille*.)

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>DULICHIA</i> , <i>Kröyer</i> .               |  |  |  |  |  |
| <i>porrecta</i> , <i>Spence Bate</i> . . . . .  |  |  |  |  |  |
| <i>falcata</i> , <i>Spence Bate</i> . . . . .   |  |  |  |  |  |
| <i>PROTO</i> , <i>Leach</i> .                   |  |  |  |  |  |
| <i>pedata</i> , <i>Leach</i> . . . . .          |  |  |  |  |  |
| <i>Goodsirii</i> , <i>Spence Bate</i> . . . . . |  |  |  |  |  |
| <i>PROTELLA</i> , <i>Dana</i> .                 |  |  |  |  |  |
| <i>longispina</i> , <i>Kröyer</i> . . . . .     |  |  |  |  |  |
| <i>CAPRELLA</i> , <i>Lamarck</i> .              |  |  |  |  |  |
| <i>linearis</i> , <i>Latr.</i> . . . . .        |  |  |  |  |  |
| <i>Pennantii</i> , <i>Leach</i> . . . . .       |  |  |  |  |  |
| <i>tuberculosa</i> , <i>Goodsir</i> . . . . .   |  |  |  |  |  |
| <i>lobata</i> , <i>Müller</i> . . . . .         |  |  |  |  |  |
| <i>acuminifera</i> , <i>M.-Edw.</i> . . . . .   |  |  |  |  |  |
| <i>CTAMUS</i> , <i>Latreille</i> .              |  |  |  |  |  |
| <i>ecti</i> , <i>Linn.</i> . . . . .            |  |  |  |  |  |
| <i>ovalis</i> , <i>Roussel</i> . . . . .        |  |  |  |  |  |
| <i>gracilis</i> , <i>Roussel</i> . . . . .      |  |  |  |  |  |
| <i>Thompsoni</i> , <i>Gosse</i> . . . . .       |  |  |  |  |  |

ISOPODA ABERRANTIA. (*ANISOPODA* of *Dana*.)

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>ARCTURUS</i> , <i>Latr.</i> ( <i>ASTACILLA</i> , <i>John-</i><br><i>ston</i> ; <i>LEACHIA</i> , <i>Johnston</i> .) |  |  |  |  |  |
| <i>longicornis</i> , <i>Sow.</i> . . . . .  |  |  |  |  |  |
| <i>intermedius</i> , <i>Goodsir</i> . . . . .   |  |  |  |  |  |
| <i>gracilis</i> , <i>Goodsir</i> . . . . .  |  |  |  |  |  |
| <i>ANTHURA</i> , <i>Leach</i> .   |  |  |  |  |  |
| <i>gracilis</i> , <i>Mont.</i> . . . . .  |  |  |  |  |  |
| <i>cylindricus</i> , <i>Mont.</i> . . . . .   |  |  |  |  |  |
| <i>TANAIS</i> , <i>M.-Edw.</i>  |  |  |  |  |  |
| <i>Dulongii</i> , <i>Aud.</i> . . . . .   |  |  |  |  |  |
| <i>hirticaudatus</i> , <i>Spence Bate</i> . . . . .   |  |  |  |  |  |

CRUSTACEA.

| Species.                                       | Range    | Found living at | Ground. | Frc-<br>quency. | Observations. |
|--|----------|-----------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.        |         |                 |               |
| ARSEUDES, <i>Leach</i> .                       |          |                 |         |                 |               |
| <i>talpa</i> , <i>Mont.</i> . . . . .          |          |                 |         |                 |               |
| ANCEUS, <i>Risso</i> .                         |          |                 |         |                 |               |
| <i>maxillaris</i> , <i>Mont.</i> . . . . .     |          |                 |         |                 |               |
| <i>rapax</i> , <i>M.-Edw.</i> . . . . .        |          |                 |         |                 |               |
| PRANIZA, <i>Leach</i> .                        |          |                 |         |                 |               |
| <i>ceruleata</i> , <i>Mont.</i> . . . . .      |          |                 |         |                 |               |
| <i>fusca</i> ?, <i>Johnston</i> . . . . .      |          |                 |         |                 |               |
| <i>Edwardii</i> , <i>Spence Bate</i> . . . . . |          |                 |         |                 |               |
| LIRIOPE, <i>Kröyer</i> .                       |          |                 |         |                 |               |
| <i>balani</i> , <i>Spence Bate</i> . . . . .   |          |                 |         |                 |               |
| IONE, <i>Mont.</i>                             |          |                 |         |                 |               |
| <i>thoracica</i> , <i>Mont.</i> . . . . .      |          |                 |         |                 |               |
| BOPYRUS, <i>Latr.</i>                          |          |                 |         |                 |               |
| <i>squillarum</i> , <i>Latr.</i> . . . . .     |          |                 |         |                 |               |
| <i>hippolytes</i> , <i>Kröyer</i> . . . . .    |          |                 |         |                 |               |
| PHRYXUS, <i>Rathke</i> .                       |          |                 |         |                 |               |
| <i>hippolytes</i> , <i>Rathke</i> . . . . .    |          |                 |         |                 |               |
| <i>paguri</i> , <i>Rathke</i> . . . . .        |          |                 |         |                 |               |

ISOPODA (NORMALIA).

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| MUNNA, <i>Kröyer</i> .   |  |  |  |  |  |
| <i>Kröyeri</i> , <i>Goodsir</i> . . . . .  |  |  |  |  |  |
| <i>Whiteana</i> , <i>Spence Bate</i> . . . . .                                   |  |  |  |  |  |
| JÆRA, <i>Leach</i> .   |  |  |  |  |  |
| <i>albifrons</i> , <i>Leach</i> . . . . .  |  |  |  |  |  |
| ONISCODA, <i>Latreille</i> .   |  |  |  |  |  |
| <i>maculosa</i> , <i>Leach</i> . . . . .   |  |  |  |  |  |
| <i>Deshayesii</i> , <i>Lucas</i> . . . . .                                       |  |  |  |  |  |
| LIMNORIA, <i>Leach</i> .   |  |  |  |  |  |
| <i>lignorum</i> , <i>Rathke</i> ( <i>terebrans</i> ,<br><i>Leach</i> ) . . . . . |  |  |  |  |  |
| IDOTEA, <i>Fabr.</i>   |  |  |  |  |  |
| <i>pelagica</i> , <i>Leach</i> . . . . .   |  |  |  |  |  |
| <i>tricuspidata</i> , <i>Desm.</i> . . . . .                                     |  |  |  |  |  |
| <i>emarginata</i> , <i>Fabr.</i> . . . . .                                       |  |  |  |  |  |
| <i>linearis</i> , <i>Latr.</i> . . . . .   |  |  |  |  |  |
| <i>acuminata</i> , <i>Leach</i> . . . . .  |  |  |  |  |  |
| <i>appendiculata</i> , <i>Risso</i> . . . . .                                    |  |  |  |  |  |
| LIGIA, <i>Fabr.</i>  |  |  |  |  |  |
| <i>oceanica</i> , <i>Linn.</i> . . . . .   |  |  |  |  |  |
| SPILEROMA, <i>Latr.</i>  |  |  |  |  |  |
| <i>serratum</i> , <i>Fabr.</i> . . . . .   |  |  |  |  |  |
| <i>rugicauda</i> , <i>Leach</i> . . . . .  |  |  |  |  |  |
| <i>Hookeri</i> , <i>Leach</i> . . . . .  |  |  |  |  |  |

# CRUSTACEA.

| Species.                             | Range    | Found living at | Ground. | Frequency. | Observations. |
|--------------------------------------|----------|-----------------|---------|------------|---------------|
|                                      | fathoms. | fathoms.        |         |            |               |
| CYMODOECA, <i>Leach</i> .            |          |                 |         |            |               |
| <i>truncata, Leach</i>               |          |                 |         |            |               |
| <i>emarginata, Leach</i>             |          |                 |         |            |               |
| <i>Montagui, Leach</i> . . . . .     |          |                 |         |            |               |
| <i>rubra, Leach</i> . . . . .        |          |                 |         |            |               |
| <i>viridis, Leach</i> . . . . .      |          |                 |         |            |               |
| NEREA, <i>Leach</i> .                |          |                 |         |            |               |
| <i>bidentata, Adams</i>              |          |                 |         |            |               |
| CAMPECOPEA, <i>Leach</i> .           |          |                 |         |            |               |
| <i>hirsuta, Mont.</i> . . . . .      |          |                 |         |            |               |
| <i>Cranchii, Leach</i> . . . . .     |          |                 |         |            |               |
| CIRROLANA, <i>Leach</i> .            |          |                 |         |            |               |
| <i>Cranchii, Leach</i>               |          |                 |         |            |               |
| EURYDICE, <i>Leach</i> .             |          |                 |         |            |               |
| <i>pulchra, Leach</i> . . . . .      |          |                 |         |            |               |
| ÆGA, <i>Leach</i> .                  |          |                 |         |            |               |
| <i>bicarinata, Leach</i> . . . . .   |          |                 |         |            |               |
| <i>tridens, Leach</i> . . . . .      |          |                 |         |            |               |
| CONILERA, <i>Leach</i> .             |          |                 |         |            |               |
| <i>cylindracea, Mont.</i> . . . . .  |          |                 |         |            |               |
| ROCINELA, <i>Leach</i> .             |          |                 |         |            |               |
| <i>Danmoniensis, Leach</i> . . . . . |          |                 |         |            |               |
| <i>monophthalma, Johnston</i>        |          |                 |         |            |               |

# ENTOMOSTRACA.

## Order I. PHYLLOPODA.

|                                  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|
| NEBALIA, <i>Leach</i> .          |  |  |  |  |  |
| <i>bipes, O. Fabr.</i> . . . . . |  |  |  |  |  |
| ARTEMIA, <i>Leach</i> .          |  |  |  |  |  |
| <i>salina, Linn.</i>             |  |  |  |  |  |

## Order II. CLADOCERA.

|                                   |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|
| EVADNE, <i>Lovén</i> .            |  |  |  |  |  |
| <i>Nordmanni, Lovén</i> . . . . . |  |  |  |  |  |

## Order III. OSTRACODA.

### Fam. I. Cytheridæ.

|                                       |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|
| CYTHERE, <i>Müller</i> .              |  |  |  |  |  |
| <i>flavida, Mull.</i> . . . . .       |  |  |  |  |  |
| <i>reniformis, Baird</i>              |  |  |  |  |  |
| <i>albo-maculata, Baird</i> . . . . . |  |  |  |  |  |
| <i>alba, Baird</i> . . . . .          |  |  |  |  |  |



# ENTOMOSTRACA.

| Species.                        | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---------------------------------|----------|-----------------|---------|------------|---------------|
|                                 | fathoms. | fathoms.        |         |            |               |
| <b>CYTHERE, Müller.</b>         |          |                 |         |            |               |
| <i>variabilis, Baird</i>        |          |                 |         |            |               |
| <i>aurantia, Baird</i>          |          |                 |         |            |               |
| <i>nigrescens, Baird</i>        |          |                 |         |            |               |
| <i>Minna, Baird</i>             |          |                 |         |            |               |
| <i>angustata, Münster</i>       |          |                 |         |            |               |
| <i>acuta, Baird</i>             |          |                 |         |            |               |
| <i>pellucida, Baird</i>         |          |                 |         |            |               |
| <i>impressa, Baird</i>          |          |                 |         |            |               |
| <i>quadridentata, Baird</i>     |          |                 |         |            |               |
| <i>convexa, Baird</i>           |          |                 |         |            |               |
| <b>CYTHEREIS, Rupert Jones.</b> |          |                 |         |            |               |
| <i>Whitei, Baird</i>            |          |                 |         |            |               |
| <i>Jonesii, Baird</i>           |          |                 |         |            |               |
| <i>antiquata, Baird</i>         |          |                 |         |            |               |
| <b>Fam. II. Cypridinidæ.</b>    |          |                 |         |            |               |
| <b>CYPRIDINA, M.-Edw.</b>       |          |                 |         |            |               |
| <i>Macandrei, Baird</i>         |          |                 |         |            |               |
| <i>Brenda, Baird</i>            |          |                 |         |            |               |
| <i>Mariæ, Baird</i>             |          |                 |         |            |               |
| <i>interpuncta, Baird</i>       |          |                 |         |            |               |
| <b>Order IV. COPEPODA.</b>      |          |                 |         |            |               |
| <b>Fam. I. Cyclopidaæ.</b>      |          |                 |         |            |               |
| <b>CANTHOCAMPTUS, Westwood.</b> |          |                 |         |            |               |
| <i>Strömii, Baird</i>           |          |                 |         |            |               |
| <i>fureatus, Baird</i>          |          |                 |         |            |               |
| <i>minuticornis, Müll.</i>      |          |                 |         |            |               |
| <b>ARPACTICUS, M.-Edw.</b>      |          |                 |         |            |               |
| <i>chelifer, Müll.</i>          |          |                 |         |            |               |
| <i>nobilis, Baird</i>           |          |                 |         |            |               |
| <b>ALTEUTHA, Baird.</b>         |          |                 |         |            |               |
| <i>depressa, Baird</i>          |          |                 |         |            |               |
| <b>Fam. II. Diaptomidæ.</b>     |          |                 |         |            |               |
| <b>TEMORA, Baird.</b>           |          |                 |         |            |               |
| <i>Finmarchica, Gunner</i>      |          |                 |         |            |               |
| <b>CALANUS.</b>                 |          |                 |         |            |               |
| <i>euchaeta, Lubbock</i>        |          |                 |         |            |               |
| <i>Anglicus, Lubbock</i>        |          |                 |         |            |               |
| <b>ANOMALOCERA, Templeton.</b>  |          |                 |         |            |               |
| <i>Patersonii, Temple.</i>      |          |                 |         |            |               |

ENTOMOSTRACA.

| Species.                                  | Range. | Found living at | Ground.  | Frequency. | Observations. |
|---|--------|-----------------|----------|------------|---------------|
| Fam. III. Cetochilidæ.                    |        | fathoms.        | fathoms. |            |               |
| CETOCHILUS, <i>Vauzème</i> .              |        |                 |          |            |               |
| septentrionalis, <i>Goodsir</i> . . . . . |        |                 |          |            |               |
| PONTELLA, <i>Dana</i> .                   |        |                 |          |            |               |
| Wollastoni, <i>Lubbock</i> . . . . .      |        |                 |          |            |               |
| PONTELLINA, <i>Dana</i> .                 |        |                 |          |            |               |
| brevicornis, <i>Lubbock</i> . . . . .     |        |                 |          |            |               |
| PELTIDIUM, <i>Philippi</i> .              |        |                 |          |            |               |
| purpureum?, <i>Phil.</i> . . . . .        |        |                 |          |            |               |
| CORYCÆUS, <i>Dana</i> .                   |        |                 |          |            |               |
| Anglicus, <i>Lubbock</i> . . . . .        |        |                 |          |            |               |
| Fam. IV. Monstrillidæ.                    |        |                 |          |            |               |
| MONSTRILLA, <i>Dana</i> .                 |        |                 |          |            |               |
| Anglica, <i>Lubbock</i> . . . . .         |        |                 |          |            |               |

| Species.                            | On what Animals found. | Observations. |
|-------------------------------------|------------------------|---------------|
| Order V. SIPHONOSTOMA.              |                        |               |
| Fam. I. Caligidæ.                   |                        |               |
| CALIGUS, <i>Müller</i> .            |                        |               |
| diaphanus, <i>Nordm.</i> . . . . .  | Various fishes.        |               |
| rapax, <i>M.-Edw.</i> . . . . .     | Various fishes.        |               |
| Mülleri, <i>Leach</i> . . . . .     | Various fishes.        |               |
| centrodonti, <i>Baird</i> . . . . . | Sea Bream.             |               |
| minutus, <i>Otto</i> . . . . .      | Holibut.               |               |
| curtus, <i>Müll.</i> . . . . .      | Ray.                   |               |
| LEPEOPHTHEIRUS, <i>Nordmann</i> .   |                        |               |
| Strömii, <i>Baird</i> . . . . .     | On Salmon.             |               |
| pectoralis, <i>Müll.</i> . . . . .  | Various fishes.        |               |
| Nordmanni, <i>M.-Edw.</i> . . . . . | Sun-fish.              |               |
| hippoglossi, <i>Kröy.</i> . . . . . | Holibut.               |               |
| obscurus, <i>Baird</i> . . . . .    | Brill.                 |               |
| Thompsoni, <i>Baird</i> . . . . .   | Turbot.                |               |
| CHALIMUS, <i>Burmeister</i> .       |                        |               |
| scombri, <i>Burm.</i> . . . . .     | On Mackerel.           |               |
| TREBIUS, <i>Kröyer</i> .            |                        |               |
| caudatus, <i>Kröy.</i> . . . . .    | On Skate.              |               |
| Fam. II. Pandaridæ.                 |                        |               |
| DINEMOURA, <i>Latreille</i> .       |                        |               |
| alata, <i>M.-Edw.</i> . . . . .     | On Shark.              |               |
| lamnæ, <i>Johnst</i> . . . . .      | On Shark.              |               |

ENTOMOSTRACA.

| Species.                            | On what Animals found. | Observations. |
|-------------------------------------|------------------------|---------------|
| <b>Fam. III. Cecropidæ.</b>         |                        |               |
| PANDARUS, <i>Leach.</i>             |                        |               |
| bicolor, <i>Leach</i> .....         | On Shark.              |               |
| CECROPS, <i>Leach.</i>              |                        |               |
| Latreillei, <i>Leach</i> .....      | On Sun-fish.           |               |
| LEMARGUS, <i>Kröyer.</i>            |                        |               |
| muricatus, <i>Kröy.</i> .....       | On Sun-fish.           |               |
| <b>Fam. IV. Anthosomidæ.</b>        |                        |               |
| ANTHOSOMA, <i>Leach.</i>            |                        |               |
| Smithii, <i>Leach</i> .....         | On Shark.              |               |
| <b>Fam. V. Ergasilidæ.</b>          |                        |               |
| NICOTHOË, <i>M.-Edwards.</i>        |                        |               |
| astaci, <i>M.-Edw.</i> .....        | On gills of Lobster    |               |
| <b>Fam. VI. Chondracanthidæ.</b>    |                        |               |
| CHONDRACANTHUS, <i>De la Roche.</i> |                        |               |
| Zei, <i>De la Roche</i> .....       | Gills of Dory.         |               |
| LEENENTOMA, <i>De Blainville.</i>   |                        |               |
| cornuta, <i>Müll.</i> .....         | Gills of Sole.         |               |
| asellina, <i>L.</i> .....           | Gills of Gurnard.      |               |
| lophii, <i>Johnst.</i> .....        | Pouches of Angler.     |               |
| LERNEOPODA, <i>De Blainville.</i>   |                        |               |
| elongata, <i>Grant</i> .....        | Shark.                 |               |
| Galei, <i>Kröy.</i> .....           | Shark.                 |               |
| salmonea, <i>L.</i> .....           | Salmon.                |               |
| <b>Fam. VII. Anchorellidæ.</b>      |                        |               |
| ANCHORELLA, <i>Cuvier.</i>          |                        |               |
| uncinata, <i>Müll.</i> .....        | On the Cod.            |               |
| rugosa, <i>Kröy.</i> .....          | On the Cod.            |               |
| <b>Fam. VIII. Lerneidæ.</b>         |                        |               |
| LERNEA, <i>L.</i>                   |                        |               |
| branchialis, <i>L.</i> .....        | Gills of Cod.          |               |
| LERNEONEMA, <i>M.-Edwards.</i>      |                        |               |
| sprattæ, <i>Sby.</i> .....          | On the Sprat.          |               |
| Bairdii, <i>Salter</i> .....        | Herring.               |               |
| enerasicoli, <i>Turt.</i> .....     | Sprat.                 |               |

## CIRRIPIEDIA.

| Species.  | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| Fam. I. Balanidæ.                                   |          |                    |         |                 |               |
| BALANUS ( <i>Lister</i> ).                          |          |                    |         |                 |               |
| tintinnabulum, <i>Linn.</i> . . . . .               |          |                    |         |                 |               |
| spongicola, <i>Brown</i> . . . . .                  |          |                    |         |                 |               |
| perforatus, <i>Bruguère</i> . . . . .               |          |                    |         |                 |               |
| Amphitrite, <i>Darwin</i> . . . . .                 |          |                    |         |                 |               |
| eburneus, <i>Aug. Gould</i> . . . . .               |          |                    |         |                 |               |
| improvisus, <i>Darwin</i> . . . . .                 |          |                    |         |                 |               |
| porcatus, <i>Da Costa</i> . . . . .                 |          |                    |         |                 |               |
| crenatus, <i>Bruguère</i> . . . . .                 |          |                    |         |                 |               |
| balanoides, <i>Linn.</i> . . . . .                  |          |                    |         |                 |               |
| Hameri, <i>Ascanius</i> . . . . .                   |          |                    |         |                 |               |
| ACASTA, <i>Leach</i> .                              |          |                    |         |                 |               |
| spongites, <i>Poli</i> . . . . .                    |          |                    |         |                 |               |
| PYRGOMA, <i>Leach</i> .                             |          |                    |         |                 |               |
| Anglicum, <i>G. B. Sby.</i> . . . . .               |          |                    |         |                 |               |
| XENOBALANUS, <i>Steenstrup</i> .                    |          |                    |         |                 |               |
| globicipitis, <i>Steenstrup</i> . . . . .           |          |                    |         |                 |               |
| CHTHAMALUS, <i>Ranzani</i> .                        |          |                    |         |                 |               |
| stellatus, <i>Poli</i> . . . . .                    |          |                    |         |                 |               |
| VERRUCA, <i>Schumacher</i> .                        |          |                    |         |                 |               |
| Strömia, <i>O. Müller</i> . . . . .                 |          |                    |         |                 |               |
| ALCIPPE, <i>Hancock</i> .                           |          |                    |         |                 |               |
| lampas, <i>Hancock</i> . . . . .                    |          |                    |         |                 |               |
| Fam. II. Lepadidæ.                                  |          |                    |         |                 |               |
| LEPAS, <i>Linn.</i>                                 |          |                    |         |                 |               |
| anatifera, <i>Linn.</i> . . . . .                   |          |                    |         |                 |               |
| Hilli, <i>Leach</i> . . . . .                       |          |                    |         |                 |               |
| anserifera, <i>Linn.</i> . . . . .                  |          |                    |         |                 |               |
| pectinata, <i>Spengler</i> . . . . .                |          |                    |         |                 |               |
| fascicularis, <i>Ellis &amp; Solander</i> . . . . . |          |                    |         |                 |               |
| CONCHODERMA, <i>Olfers</i> .                        |          |                    |         |                 |               |
| aurita, <i>Linn.</i> . . . . .                      |          |                    |         |                 |               |
| virgata, <i>Spengler</i> . . . . .                  |          |                    |         |                 |               |
| ALEPAS, <i>Sander-Rang.</i>                         |          |                    |         |                 |               |
| parasita, <i>Sander-Rang.</i> . . . . .             |          |                    |         |                 |               |
| ANELASMA, <i>Darwin</i> .                           |          |                    |         |                 |               |
| squalicola, <i>Lovén</i> . . . . .                  |          |                    |         |                 |               |
| SCALPELLUM, <i>Leach</i> .                          |          |                    |         |                 |               |
| vulgare, <i>Leach</i> . . . . .                     |          |                    |         |                 |               |
| POLLICIPES, <i>Leach</i> .                          |          |                    |         |                 |               |
| cornucopia, <i>Leach</i> . . . . .                  |          |                    |         |                 |               |



# ARACHNIDA.

| Species.                               | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
| Order PODOSOMATA.                      | fathoms. | fathoms.        |         |            |               |
| Fam. I. Pycnogonidæ.                   |          |                 |         |            |               |
| PYCNOGONUM, <i>Fabricius</i> .         |          |                 |         |            |               |
| littorale, <i>Strom.</i> . . . . .     |          |                 |         |            |               |
| PHOXICHILUS, <i>Latreille</i> .        |          |                 |         |            |               |
| spinosus, <i>Mont.</i> . . . . .       |          |                 |         |            |               |
| Fam. II. Nymphonidæ.                   |          |                 |         |            |               |
| PHOXICHILIDIUM, <i>M.-Edwards</i> .    |          |                 |         |            |               |
| coccineum, <i>Johnst.</i> . . . . .    |          |                 |         |            |               |
| globosum . . . . .                     |          |                 |         |            |               |
| olivaceum . . . . .                    |          |                 |         |            |               |
| PALLENE, <i>Johnston</i> .             |          |                 |         |            |               |
| brevirostris, <i>Johnst.</i> . . . . . |          |                 |         |            |               |
| NYMPHON, <i>Fabricius</i> .            |          |                 |         |            |               |
| gracile, <i>Leach</i> . . . . .        |          |                 |         |            |               |
| grossipes, <i>O. Fabr.</i> . . . . .   |          |                 |         |            |               |
| femoratum, <i>Leach</i> . . . . .      |          |                 |         |            |               |
| pictum . . . . .                       |          |                 |         |            |               |
| giganteum, <i>Johnst.</i> . . . . .    |          |                 |         |            |               |

# ANELLIDA.

\* \* \* The following list of British Marine Worms is copied, by favour of Dr. J. E. Gray, from an unpublished Catalogue by the late Dr. Johnston.

|   |  |  |  |  |
|---|--|--|--|--|
| Order I. TURBELLARIA.                       |  |  |  |  |
| Fam. I. Planoceridæ.                        |  |  |  |  |
| LEPTOPLANA, <i>Ehrenberg</i> .              |  |  |  |  |
| subauriculata, <i>Johnston</i> . . . . .    |  |  |  |  |
| tremellaris, <i>Müller</i> . . . . .        |  |  |  |  |
| flexilis, <i>Dalyell</i> . . . . .          |  |  |  |  |
| atomata, <i>Müller</i> . . . . .            |  |  |  |  |
| ellipsis, <i>Dalyell</i> . . . . .          |  |  |  |  |
| EURYLEPTA, <i>Ehrenberg</i> .               |  |  |  |  |
| cornuta, <i>Müller</i> . . . . .            |  |  |  |  |
| Dalyellii, <i>Johnston</i> . . . . .        |  |  |  |  |
| sanguinolenta, <i>Quatrefages</i> . . . . . |  |  |  |  |
| vittata, <i>Montagu</i> . . . . .           |  |  |  |  |
| PLANOCERA, <i>Blainville</i> .              |  |  |  |  |
| folium, <i>Grube</i> . . . . .              |  |  |  |  |

## ANELLIDA.

| Species.                                | Range    | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| <b>Fam. II. Planariadæ.</b>             |          |                    |         |                 |               |
| <b>PLANARIA, Müller.</b>                |          |                    |         |                 |               |
| ulvæ, Oersted                           |          |                    |         |                 |               |
| affinis, Oersted                        |          |                    |         |                 |               |
| alba, Dalyell                           |          |                    |         |                 |               |
| variegata, Dalyell                      |          |                    |         |                 |               |
| ? gracilis, Dalyell                     |          |                    |         |                 |               |
| ? falcata, Dalyell                      |          |                    |         |                 |               |
| <b>Fam. III. Dalyellidæ.</b>            |          |                    |         |                 |               |
| <b>TYPHLOPLANA, Ehrenberg.</b>          |          |                    |         |                 |               |
| flustræ, Dalyell                        |          |                    |         |                 |               |
| <b>CONVOLUTA, Oersted.</b>              |          |                    |         |                 |               |
| paradoxa, Oersted                       |          |                    |         |                 |               |
| <i>Doubtful species of this family.</i> |          |                    |         |                 |               |
| PLANOIDES fusca, Dalyell                |          |                    |         |                 |               |
| PLANARIA hirudo, Johnston               |          |                    |         |                 |               |
| <b>ASTEMMA, Oersted.</b>                |          |                    |         |                 |               |
| rufifrons, Johnston                     |          |                    |         |                 |               |
| filiformis, Johnston                    |          |                    |         |                 |               |
| <b>CEPHALOTRIX, Oersted.</b>            |          |                    |         |                 |               |
| lineatus, Dalyell                       |          |                    |         |                 |               |
| flustræ, Dalyell                        |          |                    |         |                 |               |
| <b>TETRASTEMMA, Ehrenberg.</b>          |          |                    |         |                 |               |
| varicolor, Oersted                      |          |                    |         |                 |               |
| variegatum, Dalyell                     |          |                    |         |                 |               |
| ? alga, Dalyell                         |          |                    |         |                 |               |
| <b>BORLASIA, Johnston.</b>              |          |                    |         |                 |               |
| olivacea, Johnston                      |          |                    |         |                 |               |
| octoculata, Johnston                    |          |                    |         |                 |               |
| purpurea, Johnston                      |          |                    |         |                 |               |
| Gesserensis, Müller                     |          |                    |         |                 |               |
| striata, Rathke                         |          |                    |         |                 |               |
| <b>OMMATOPLEA, Ehrenberg.</b>           |          |                    |         |                 |               |
| gracilis, Johnston                      |          |                    |         |                 |               |
| rosea, Müller                           |          |                    |         |                 |               |
| alba, Thompson                          |          |                    |         |                 |               |
| melanocephala, Johnston                 |          |                    |         |                 |               |
| pulchra, Johnston                       |          |                    |         |                 |               |
| <b>STYLUS, Johnston.</b>                |          |                    |         |                 |               |
| viridis, Dalyell                        |          |                    |         |                 |               |
| purpureus, Dalyell                      |          |                    |         |                 |               |
| fragilis, Dalyell                       |          |                    |         |                 |               |
| fasciatus, Dalyell                      |          |                    |         |                 |               |
| <b>LINEUS, T. W. Simmons.</b>           |          |                    |         |                 |               |
| longissimus, Simmons                    |          |                    |         |                 |               |

## ANELLIDA.

| Species.                              | Range.   | Found living at | Ground. | Frequency. | Observations |
|---------------------------------------|----------|-----------------|---------|------------|--------------|
|                                       | fathoms. | fathoms.        |         |            |              |
| <b>LINEUS, T. W. Simmons.</b>         |          |                 |         |            |              |
| gracilis, Goodsir .....               |          |                 |         |            |              |
| lineatus, Johnston .....              |          |                 |         |            |              |
| murenoides, D. Chiaje .....           |          |                 |         |            |              |
| fasciatus, Johnston .....             |          |                 |         |            |              |
| viridis, Dalyell .....                |          |                 |         |            |              |
| albus, Dalyell .....                  |          |                 |         |            |              |
| <b>MECKELIA, Leuckart.</b>            |          |                 |         |            |              |
| annulata, Montagu .....               |          |                 |         |            |              |
| tania, Dalyell .....                  |          |                 |         |            |              |
| <b>SERPENTARIA, H. D. S. Goodsir.</b> |          |                 |         |            |              |
| fragilis, Goodsir .....               |          |                 |         |            |              |
| fusca, Dalyell .....                  |          |                 |         |            |              |
| <b>Order II. BDELLOMORPHA.</b>        |          |                 |         |            |              |
| <b>Fam. I. Malacobdellidæ.</b>        |          |                 |         |            |              |
| <b>MALACOBDELLA, Blainville.</b>      |          |                 |         |            |              |
| grossa, Müller .....                  |          |                 |         |            |              |
| Valenciennæi, Blanchard .....         |          |                 |         |            |              |
| anceps, Dalyell .....                 |          |                 |         |            |              |
| <b>Order III. BDELLIDEA.</b>          |          |                 |         |            |              |
| <b>Fam. I. Branchelliadæ.</b>         |          |                 |         |            |              |
| <b>BRANCHELLION, Savigny.</b>         |          |                 |         |            |              |
| torpedinis, Savigny .....             |          |                 |         |            |              |
| <b>Fam. II. Piscicolidæ.</b>          |          |                 |         |            |              |
| <b>PONTOBDELLA, Leach.</b>            |          |                 |         |            |              |
| muricata, Linn. ....                  |          |                 |         |            |              |
| verrucata, Grube .....                |          |                 |         |            |              |
| arcolata, Leach .....                 |          |                 |         |            |              |
| lævis, Blainville .....               |          |                 |         |            |              |
| littoralis, Johnston .....            |          |                 |         |            |              |
| campanulata, Dalyell .....            |          |                 |         |            |              |
| <b>Order IV. SCOLICES.</b>            |          |                 |         |            |              |
| <b>Fam. I. Lumbricidæ.</b>            |          |                 |         |            |              |
| <b>SENURIS, Hoffmeister.</b>          |          |                 |         |            |              |
| lineata, Müller .....                 |          |                 |         |            |              |
| <b>CLITELLIO, Savigny.</b>            |          |                 |         |            |              |
| arenarius, Müller .....               |          |                 |         |            |              |
| <b>VALLA, Johnston.</b>               |          |                 |         |            |              |
| ciliata, Müller .....                 |          |                 |         |            |              |

ANELLIDA.

| Species.   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
| Order V. GYMNOCPA.                                 | fathoms. | fathoms.           |         |                 |               |
| Fam. I. Tomopteridæ.                               |          |                    |         |                 |               |
| TOMOPTERIS, <i>Eschscholtz.</i>                    |          |                    |         |                 |               |
| <i>onisciformis</i> , <i>Grube</i> .....           |          |                    |         |                 |               |
| Order VI. CHÆTOPODA.                               |          |                    |         |                 |               |
| Fam. I. Aphroditidæ.                               |          |                    |         |                 |               |
| APHRODITA, <i>Leach.</i>                           |          |                    |         |                 |               |
| <i>aculeata</i> , <i>Linn.</i> .....               |          |                    |         |                 |               |
| <i>borealis</i> , <i>Johnston</i> .....            |          |                    |         |                 |               |
| <i>hystrix</i> , <i>Savigny</i> .....              |          |                    |         |                 |               |
| LEPIDONOTUS, <i>Leach.</i>                         |          |                    |         |                 |               |
| <i>squamatus</i> , <i>Linn.</i> .....              |          |                    |         |                 |               |
| <i>clava</i> , <i>Montagu</i> .....                |          |                    |         |                 |               |
| <i>impar</i> , <i>Johnston</i> .....               |          |                    |         |                 |               |
| <i>pharebratus</i> , <i>Johnston</i> .....         |          |                    |         |                 |               |
| <i>cirratus</i> , <i>Fabr.</i> .....               |          |                    |         |                 |               |
| <i>semisculptus</i> , <i>Leach</i> .....           |          |                    |         |                 |               |
| <i>pellucidus</i> , <i>Dyster</i> .....            |          |                    |         |                 |               |
| <i>imbricatus</i> , <i>Linn.</i> .....             |          |                    |         |                 |               |
| <i>Species not defined.</i>                        |          |                    |         |                 |               |
| APHRODITA <i>squamata</i> , <i>Dalyell</i> ..      |          |                    |         |                 |               |
| <i>lepidota</i> , <i>Pallas</i> .....              |          |                    |         |                 |               |
| <i>minuta</i> , <i>Pennant</i> .....               |          |                    |         |                 |               |
| <i>annulata</i> , <i>Pennant</i> .....             |          |                    |         |                 |               |
| <i>velox</i> , <i>Dalyell</i> .....                |          |                    |         |                 |               |
| LEPIDONOTUS <i>floccosus</i> ?, <i>Dalyell</i> .   |          |                    |         |                 |               |
| POLYNOË <i>semisquamosa</i> , <i>Williams</i> }    |          |                    |         |                 |               |
| POLYNOË, <i>Oersted.</i>                           |          |                    |         |                 |               |
| <i>scolopendrina</i> , <i>Savigny</i> .....        |          |                    |         |                 |               |
| PHOLOË, <i>Johnston.</i>                           |          |                    |         |                 |               |
| <i>inornata</i> , <i>Johnston</i> .....            |          |                    |         |                 |               |
| <i>eximia</i> , <i>Dyster</i> .....                |          |                    |         |                 |               |
| SIGALION, <i>Aud. &amp; M.-Edwards.</i>            |          |                    |         |                 |               |
| <i>boa</i> , <i>Johnston</i> .....                 |          |                    |         |                 |               |
| Fam. II. Amphinomenidæ.                            |          |                    |         |                 |               |
| EUPHROSINE, <i>Savigny.</i>                        |          |                    |         |                 |               |
| <i>foliosa</i> , <i>Aud. &amp; M.-Edwards</i> .... |          |                    |         |                 |               |
| <i>borealis</i> , <i>Oersted</i> .....             |          |                    |         |                 |               |
| Fam. III. Euniceidæ.                               |          |                    |         |                 |               |
| EUNICE, <i>Aud. &amp; M.-Edwards.</i>              |          |                    |         |                 |               |
| <i>Norvegica</i> , <i>Linn.</i> .....              |          |                    |         |                 |               |



# ANELLIDA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| <i>EUNICE</i> , <i>Aud. &amp; M.-Edwards</i> .    |          |                 |         |            |               |
| <i>annulicornis</i> , <i>Brit. Mus.</i> .....     |          |                 |         |            |               |
| <i>antennata</i> , <i>Savigny</i> .....           |          |                 |         |            |               |
| <i>Harassii</i> , <i>Aud. &amp; M.-Edwards</i> .. |          |                 |         |            |               |
| <i>sanguinea</i> , <i>Montagu</i> .....           |          |                 |         |            |               |
| <i>margaritacea</i> , <i>Williams</i> .....       |          |                 |         |            |               |
| <i>NORTHIA</i> , <i>Johnston</i> .                |          |                 |         |            |               |
| <i>tubicola</i> , <i>Müller</i> .....             |          |                 |         |            |               |
| <i>conchylega</i> , <i>Sars</i> .....             |          |                 |         |            |               |
| <i>LYCIDICE</i> , <i>Savigny</i> .                |          |                 |         |            |               |
| <i>Ninetta</i> , <i>Aud. &amp; M.-Edwards</i> ..  |          |                 |         |            |               |
| <i>rufa</i> , <i>Gosse</i> .....                  |          |                 |         |            |               |
| <i>LUMBRINERIS</i> , <i>Blainville</i> .          |          |                 |         |            |               |
| <i>tricolor</i> , <i>Leach</i> .....              |          |                 |         |            |               |

## Fam. IV. Nereidæ.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>NEREIS</i> , <i>Cuvier</i> .                 |  |  |  |  |  |
| <i>brevimana</i> , <i>Johnston</i> .....        |  |  |  |  |  |
| <i>pelagica</i> , <i>Linn.</i> .....            |  |  |  |  |  |
| <i>diversicolor</i> , <i>Müller</i> .....       |  |  |  |  |  |
| <i>cærulea</i> , <i>Linn.</i> .....             |  |  |  |  |  |
| <i>fimbriata</i> , <i>Müller</i> .....          |  |  |  |  |  |
| <i>imbecillis</i> , <i>Grube</i> .....          |  |  |  |  |  |
| <i>Dumerilii</i> , <i>Aud. &amp; M.-Edwards</i> |  |  |  |  |  |
| <i>pulsatoria</i> , <i>Montagu</i> .....        |  |  |  |  |  |
| <i>NEREILEPAS</i> , <i>Oersted</i> .            |  |  |  |  |  |
| <i>fucata</i> , <i>Savigny</i> .....            |  |  |  |  |  |
| <i>HETERONEREIS</i> , <i>Oersted</i> .          |  |  |  |  |  |
| <i>lobulata</i> , <i>Savigny</i> .....          |  |  |  |  |  |
| <i>renalis</i> , <i>Johnston</i> .....          |  |  |  |  |  |
| <i>longissima</i> , <i>Johnston</i> .....       |  |  |  |  |  |
| <i>margaritacea</i> , <i>Johnston</i> .....     |  |  |  |  |  |

## Fam. V. Nephthyidæ.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>NEPHTHYS</i> , <i>Cuvier</i> .         |  |  |  |  |  |
| <i>cæca</i> , <i>Fabr.</i> .....          |  |  |  |  |  |
| <i>longisetosa</i> , <i>Oersted</i> ..... |  |  |  |  |  |
| <i>Homborgii</i> , <i>Cuv.??</i> .....    |  |  |  |  |  |

## Fam. VI. Phyllodoceidæ.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <i>PHYLLODOCE</i> , <i>Cuvier</i> .      |  |  |  |  |  |
| <i>lamelligera</i> , <i>Turton</i> ..... |  |  |  |  |  |
| <i>bilineata</i> , <i>Johnston</i> ..... |  |  |  |  |  |
| <i>maculata</i> , <i>Linn.</i> .....     |  |  |  |  |  |
| <i>viridis</i> , <i>Linn.</i> .....      |  |  |  |  |  |
| <i>ellipsis</i> , <i>Dalyell</i> .....   |  |  |  |  |  |

ANELLIDA.

| Species.                                    | Range.   | Found living at | Ground. | Frequency | Observations. |
|---|----------|-----------------|---------|-----------|---------------|
|   | fathoms. | fathoms.        |         |           |               |
| PHYLLODOCE, <i>Cuvier</i> .                 |          |                 |         |           |               |
| <i>Griffithsii</i> , <i>Johnston</i> .....  |          |                 |         |           |               |
| <i>cordifolia</i> , <i>Dyster</i> .....     |          |                 |         |           |               |
| PSAMATHE, <i>Johnston</i> .                 |          |                 |         |           |               |
| <i>punctata</i> , <i>Müller</i> .....       |          |                 |         |           |               |
| Fam. VII. Glyceridæ.                        |          |                 |         |           |               |
| GLYCERA, <i>Savigny</i> .                   |          |                 |         |           |               |
| <i>mitis</i> , <i>Johnston</i> .....        |          |                 |         |           |               |
| <i>dubia</i> , <i>Blainville</i> .....      |          |                 |         |           |               |
| <i>capitata</i> , <i>Oersted</i> .....      |          |                 |         |           |               |
| <i>nigripes</i> , <i>Johnston</i> .....     |          |                 |         |           |               |
| GONIADA, <i>Aud. &amp; M.-Edwards</i> .     |          |                 |         |           |               |
| <i>maculata</i> , <i>Oersted</i> .....      |          |                 |         |           |               |
| Fam. VIII. Syllidæ.                         |          |                 |         |           |               |
| SYLLIS, <i>Savigny</i> .                    |          |                 |         |           |               |
| <i>armillaris</i> , <i>Müller</i> .....     |          |                 |         |           |               |
| <i>cornuta</i> , <i>H. Rathke</i> .....     |          |                 |         |           |               |
| <i>prolifera</i> , <i>Müller</i> .....      |          |                 |         |           |               |
| ? <i>monoceros</i> , <i>Dalyell</i> .....   |          |                 |         |           |               |
| GATTIOLA, <i>Johnston</i> .                 |          |                 |         |           |               |
| <i>spectabilis</i> , <i>Johnston</i> .....  |          |                 |         |           |               |
| MYRIANIDA, <i>M.-Edw.</i>                   |          |                 |         |           |               |
| <i>pinnigera</i> , <i>Montagu</i> .....     |          |                 |         |           |               |
| IOIDA, <i>Johnston</i> .                    |          |                 |         |           |               |
| <i>macrophthalma</i> , <i>Johnston</i> .... |          |                 |         |           |               |
| Fam. IX. Amytideidæ.                        |          |                 |         |           |               |
| AMYTIDEA, <i>Grube</i> .                    |          |                 |         |           |               |
| <i>maculosa</i> (NEREIS), <i>Montagu</i> .. |          |                 |         |           |               |
| Fam. X. Ariciadæ.                           |          |                 |         |           |               |
| NERINE, <i>Johnston</i> .                   |          |                 |         |           |               |
| <i>vulgaris</i> , <i>Johnston</i> .....     |          |                 |         |           |               |
| <i>coniocephala</i> , <i>Johnston</i> ..... |          |                 |         |           |               |
| <i>Doubtful species.</i> }                  |          |                 |         |           |               |
| NERINE contorta (NEREIS), <i>Daly.</i> }    |          |                 |         |           |               |
| SPIO, <i>Turton</i> .                       |          |                 |         |           |               |
| <i>flicornis</i> , <i>Müller</i> .....      |          |                 |         |           |               |
| <i>seticornis</i> , <i>Turton</i> .....     |          |                 |         |           |               |
| <i>crenaticornis</i> , <i>Montagu</i> ..... |          |                 |         |           |               |
| LEUCODORE, <i>Johnston</i> .                |          |                 |         |           |               |
| <i>ciliatus</i> , <i>Johnston</i> .....     |          |                 |         |           |               |

# ANNELIDA.

| Species.                                   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
| <i>EPHESIA, Rathke.</i>                    | fathoms. | fathoms.           |         |                 |               |
| <i>gracilis, Rathke</i> .....              |          |                    |         |                 |               |
| <i>SPILERODORUM, Oersted.</i>              |          |                    |         |                 |               |
| <i>peripatus, Johnst.</i> .....            |          |                    |         |                 |               |
| <i>CIRRATULUS, Lamarck.</i>                |          |                    |         |                 |               |
| <i>tentaculatus, Mont.</i> .....           |          |                    |         |                 |               |
| <i>borealis, Lamk.</i> .....               |          |                    |         |                 |               |
| <i>DODECACERIA, Oersted.</i>               |          |                    |         |                 |               |
| <i>concharum, Oersted</i> .....            |          |                    |         |                 |               |
| Fam. XI. Opheliadæ.                        |          |                    |         |                 |               |
| <i>OPHELIA, Savigny.</i>                   |          |                    |         |                 |               |
| <i>acuminata, Oersted</i> .....            |          |                    |         |                 |               |
| <i>AMMOTRYPANE, Rathke.</i>                |          |                    |         |                 |               |
| <i>limacina, Rathke</i> .....              |          |                    |         |                 |               |
| <i>TRAVISIA, Johnston.</i>                 |          |                    |         |                 |               |
| <i>Forbesii, Johnst.</i> .....             |          |                    |         |                 |               |
| <i>EUMENIA, Oersted.</i>                   |          |                    |         |                 |               |
| <i>crassa, Oersted</i> .....               |          |                    |         |                 |               |
| Fam. XII. Siphonostomidæ.                  |          |                    |         |                 |               |
| <i>SIPHONOSTOMA, Cuvier.</i>               |          |                    |         |                 |               |
| <i>uncinata, Aud. &amp; M.-Edw.</i> ....   |          |                    |         |                 |               |
| <i>TROPHONIA, Cuvier.</i>                  |          |                    |         |                 |               |
| <i>plumosa, Müller</i> .....               |          |                    |         |                 |               |
| Fam. XIII. Telethusidæ.                    |          |                    |         |                 |               |
| <i>ARENICOLA, Savigny.</i>                 |          |                    |         |                 |               |
| <i>piscatorum, Lamk.</i> .....             |          |                    |         |                 |               |
| <i>branchialis, Aud. &amp; M.-Edw.</i> ... |          |                    |         |                 |               |
| <i>ecaudata, Johnst.</i> .....             |          |                    |         |                 |               |
| Fam. XIV. Maldaniadæ.                      |          |                    |         |                 |               |
| <i>CLYMENE, Savigny.</i>                   |          |                    |         |                 |               |
| <i>borealis, Dalyell</i> .....             |          |                    |         |                 |               |
| Fam. XV. Terebellidæ.                      |          |                    |         |                 |               |
| <i>TEREBELLA, Montagu.</i>                 |          |                    |         |                 |               |
| <i>conchilega, Pallas</i> .....            |          |                    |         |                 |               |
| <i>littoralis, Dalyell</i> .....           |          |                    |         |                 |               |
| <i>cirrata, Mont.</i> .....                |          |                    |         |                 |               |
| <i>nebulosa, Mont.</i> .....               |          |                    |         |                 |               |
| <i>gigantea, Mont.</i> .....               |          |                    |         |                 |               |
| <i>constrictor, Mont.</i> .....            |          |                    |         |                 |               |
| <i>venustula, Mont.</i> .....              |          |                    |         |                 |               |
| <i>tuberculata, Dalyell</i> .....          |          |                    |         |                 |               |
| <i>textrix, Dalyell</i> .....              |          |                    |         |                 |               |
| <i>maculata, Dalyell</i> .....             |          |                    |         |                 |               |

ANELLIDA.

| Species.                                    | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| VENUSIA, <i>Johnston</i> .                  |          |                 |         |            |               |
| punctata, <i>Johnst.</i> . . . . .          |          |                 |         |            |               |
| TEREBELLIDES, <i>Sars</i> .                 |          |                 |         |            |               |
| Stromii, <i>Sars</i> . . . . .              |          |                 |         |            |               |
| PECTINARIA, <i>Lamarck</i> .                |          |                 |         |            |               |
| Belgica, <i>Pallas</i> . . . . .            |          |                 |         |            |               |
| granulata, <i>Linn.</i> . . . . .           |          |                 |         |            |               |
| Fam. XVI. Sabellariadæ.                     |          |                 |         |            |               |
| SABELLARIA, <i>Lamarck</i> .                |          |                 |         |            |               |
| Anglica, <i>Ellis</i> . . . . .             |          |                 |         |            |               |
| crassissima, <i>Lamk.</i> . . . . .         |          |                 |         |            |               |
| lumbricalis, <i>Mont.</i> . . . . .         |          |                 |         |            |               |
| Fam. XVII. Serpulidæ.                       |          |                 |         |            |               |
| ARIPPASA, <i>Johnston</i> .                 |          |                 |         |            |               |
| infundibulum, <i>Mont.</i> . . . . .        |          |                 |         |            |               |
| SABELLA, <i>Savigny</i> .                   |          |                 |         |            |               |
| pavonina, <i>Savigny</i> . . . . .          |          |                 |         |            |               |
| penicillus, <i>Linn.</i> . . . . .          |          |                 |         |            |               |
| vesiculosa, <i>Mont.</i> . . . . .          |          |                 |         |            |               |
| bombyx, <i>Dalyell</i> . . . . .            |          |                 |         |            |               |
| Savignii, <i>Johnst.</i> . . . . .          |          |                 |         |            |               |
| volutacornis, <i>Mont.</i> . . . . .        |          |                 |         |            |               |
| Doubtful Species.                           |          |                 |         |            |               |
| SABELLA unispira, <i>Sav.</i> . . . . .     |          |                 |         |            |               |
| rosea (AMPHITRITE), <i>Sow.</i> . . . . .   |          |                 |         |            |               |
| luna (AMPHITRITE), <i>Dalyell</i> . . . . . |          |                 |         |            |               |
| curta (AMPHITRITE), <i>Mont.</i> . . . . .  |          |                 |         |            |               |
| PROTULA, <i>Risso</i> .                     |          |                 |         |            |               |
| protensa, <i>Philippi</i> . . . . .         |          |                 |         |            |               |
| Dysteri, <i>Huxley</i> . . . . .            |          |                 |         |            |               |
| SERPULA, <i>Linnaeus</i> .                  |          |                 |         |            |               |
| vermicularis, <i>Ellis</i> . . . . .        |          |                 |         |            |               |
| intricata, <i>Linn.</i> . . . . .           |          |                 |         |            |               |
| reversa, <i>Mont.</i> . . . . .             |          |                 |         |            |               |
| Berkeleyi, <i>Johnst.</i> . . . . .         |          |                 |         |            |               |
| conica, <i>Flem.</i> . . . . .              |          |                 |         |            |               |
| armata, <i>Flem.</i> . . . . .              |          |                 |         |            |               |
| Dysteri, <i>Johnst.</i> . . . . .           |          |                 |         |            |               |
| DITRUPA, <i>Berkeley</i> .                  |          |                 |         |            |               |
| subulata, <i>Deshayes</i> . . . . .         |          |                 |         |            |               |
| FILOGRANA, <i>Berkeley</i> .                |          |                 |         |            |               |
| implexa, <i>Buck.</i> . . . . .             |          |                 |         |            |               |
| OTHONIA, <i>Johnston</i> .                  |          |                 |         |            |               |
| Fabricii, <i>Johnst.</i> . . . . .          |          |                 |         |            |               |



ANNELIDA.

| Species.                                 | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| <b>Fam. XVIII. Campontiadae.</b>         |          |                    |         |                 |               |
| CAMPONTIA, <i>Johnston.</i>              |          |                    |         |                 |               |
| eruciformis, <i>Johnst.</i> . . . . .    |          |                    |         |                 |               |
| <b>Fam. XIX. ? Mæadae.</b>               |          |                    |         |                 |               |
| MÆA, <i>Johnston.</i>                    |          |                    |         |                 |               |
| mirabilis, <i>Johnst.</i> . . . . .      |          |                    |         |                 |               |
| <b>Fam. XX. ? Sipunculidae.</b>          |          |                    |         |                 |               |
| SYRINX, <i>Bohadsch.</i>                 |          |                    |         |                 |               |
| nudus, <i>Linn.</i> . . . . .            |          |                    |         |                 |               |
| papillosus, <i>Thomps.</i> . . . . .     |          |                    |         |                 |               |
| Harveii, <i>Forbes</i> . . . . .         |          |                    |         |                 |               |
| SIPUNCULUS, <i>Linnaeus.</i>             |          |                    |         |                 |               |
| Bernhardus, <i>Forbes</i> . . . . .      |          |                    |         |                 |               |
| MACRORHYNCHOPTERUS, <i>Rondel.</i>       |          |                    |         |                 |               |
| Johnstoni, <i>Forbes</i> . . . . .       |          |                    |         |                 |               |
| sacculus, <i>Flem.</i> . . . . .         |          |                    |         |                 |               |
| tenuicinctus, <i>M'Coy</i> . . . . .     |          |                    |         |                 |               |
| Forbesii, <i>M'Coy</i> . . . . .         |          |                    |         |                 |               |
| granulosus, <i>M'Coy</i> . . . . .       |          |                    |         |                 |               |
| Pallasii, <i>Forbes</i> . . . . .        |          |                    |         |                 |               |
| <b>Fam. XXI. Priapulidae.</b>            |          |                    |         |                 |               |
| PRIAPULUS, <i>Lamarck.</i>               |          |                    |         |                 |               |
| caudatus, <i>Flem.</i> . . . . .         |          |                    |         |                 |               |
| <b>Fam. XXII. Thalassemidæ.</b>          |          |                    |         |                 |               |
| THALASSEMA, <i>Cuvier.</i>               |          |                    |         |                 |               |
| Neptuni, <i>Gaërtner</i> . . . . .       |          |                    |         |                 |               |
| ECHINURUS, <i>Cuvier.</i>                |          |                    |         |                 |               |
| oxyurus, <i>Pall.</i> . . . . .          |          |                    |         |                 |               |
| <i>Species inquirendæ.</i>               |          |                    |         |                 |               |
| NEREIS, <i>Cuvier.</i>                   |          |                    |         |                 |               |
| iricolor, <i>Mont.</i> . . . . .         |          |                    |         |                 |               |
| margarita, <i>Mont.</i> . . . . .        |          |                    |         |                 |               |
| lineata, <i>Mont.</i> . . . . .          |          |                    |         |                 |               |
| maculosa, <i>Mont.</i> . . . . .         |          |                    |         |                 |               |
| rufa, <i>Penn.</i> . . . . .             |          |                    |         |                 |               |
| mollis, <i>Linn.</i> . . . . .           |          |                    |         |                 |               |
| octentaculata, <i>Mont.</i> . . . . .    |          |                    |         |                 |               |
| punctata, <i>Encycl. Méth.</i> . . . . . |          |                    |         |                 |               |
| noctiluca, <i>Linn.</i> . . . . .        |          |                    |         |                 |               |
| pinnigera, <i>Mont.</i> . . . . .        |          |                    |         |                 |               |
| APHRODITA, <i>Leach.</i>                 |          |                    |         |                 |               |
| annulata, <i>Penn.</i> . . . . .         |          |                    |         |                 |               |
| minuta, <i>Penn.</i> . . . . .           |          |                    |         |                 |               |

# ANNELIDA.—ENTOZOA.

| Species.                               | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| <i>Species inquirendæ.</i>             |          |                 |         |            |               |
| <i>SPIO, Turton.</i>                   |          |                 |         |            |               |
| <i>seticornis, Turt.</i> . . . . .     |          |                 |         |            |               |
| <i>crenaticornis, Mont.</i> . . . . .  |          |                 |         |            |               |
| <i>calcareæ, Templeton</i> . . . . .   |          |                 |         |            |               |
| <i>BRANCHIARIUS, Mont.</i>             |          |                 |         |            |               |
| <i>quadrangularis, Mont.</i> . . . . . |          |                 |         |            |               |
| <i>DIPLOTIS, Mont.</i>                 |          |                 |         |            |               |
| <i>hyalina, Mont.</i> . . . . .        |          |                 |         |            |               |
| <i>DERRIS, Adams.</i>                  |          |                 |         |            |               |
| <i>sanguinea, Adams</i> . . . . .      |          |                 |         |            |               |

# ENTOZOA.

\*.\* From Dr. Baird's British Museum Catalogue; and Dr. Bellingham's List of Irish Entozoa, in the 'Annals of Natural History,' 1844.

| Species.                                  | In what Animals found.  | Observations. |
|---|-------------------------|---------------|
| <b>Order NEMATOIDEA.</b>                  |                         |               |
| <b>Fam. Filariadæ.</b>                    |                         |               |
| <i>FILARIA, Müller.</i>                   |                         |               |
| ? <i>marina, Linn.</i> . . . . .          | Shad and Cod.           |               |
| <i>inflexo-caudata, Siebold</i> . . . . . | Porpoise.               |               |
| <i>sp.</i> . . . . .                      | Red Gurnard and Mullet. |               |
| <i>TRICHOSOMA, Rudolphi.</i>              |                         |               |
| <i>gracilis, Bellingh.</i> . . . . .      | Hake.                   |               |
| <i>SPIROPTERA, Rudolphi.</i>              |                         |               |
| <i>sp.</i> . . . . .                      | Skate.                  |               |
| <b>Fam. Ascaridæ.</b>                     |                         |               |
| <i>ASCARIS, Linnæus.</i>                  |                         |               |
| <i>osculata, Rud.</i> . . . . .           | Seal.                   |               |
| <i>aucta, Rud.</i> . . . . .              | Viviparous Blenny.      |               |
| <i>rigida, Rud.</i> . . . . .             | Lophius.                |               |
| <i>capsularia, Rud.</i> . . . . .         | Cod, &c.                |               |
| <i>collaris, Rud.</i> . . . . .           | Flounder, &c.           |               |
| <i>clavata, Rud.</i> . . . . .            | Cod, &c.                |               |
| <i>constricta, Rud.</i> . . . . .         | Sea-Scorpion, &c.       |               |
| <i>rotundata, Rud.</i> . . . . .          | Skate.                  |               |

# ENTOZOA.

| Species.                         | In what Animals found. | Observations. |
|----------------------------------|------------------------|---------------|
| <b>ASCARIS, Linnæus.</b>         |                        |               |
| æcus, Bloch . . . . .            | Herring.               |               |
| angulata, Rud. . . . .           | Lophius.               |               |
| tenuissima, Zeder . . . . .      | Whiting.               |               |
| succisa, Rud. . . . .            | Lump-fish.             |               |
| <b>Fam. Sclerostomidæ.</b>       |                        |               |
| <b>UCULLANUS, Müller.</b>        |                        |               |
| minutus, Rud. . . . .            | Flounder.              |               |
| heterochrous, Rud. . . . .       | Flounder.              |               |
| foveolatus, Lam. . . . .         | Plaice and Dab.        |               |
| <b>STENURUS, Dujardin.</b>       |                        |               |
| inflexus, Rud. (part.) . . . . . | Porpoise.              |               |
| <b>PROSTHECOSACTER, Diesing.</b> |                        |               |
| inflexus, Rud. . . . .           | Porpoise.              |               |
| convolutus, Kuhn . . . . .       | Porpoise.              |               |
| <b>Order TREMATODA.</b>          |                        |               |
| <b>Fam. Onchobothriadæ.</b>      |                        |               |
| <b>OCTOBOTHRIUM, Leuckart.</b>   |                        |               |
| lanceolatum, Leuck. . . . .      | Shad.                  |               |
| <b>Fam. Capsalidæ.</b>           |                        |               |
| <b>CAPSALA, Bosc.</b>            |                        |               |
| coccinea, Cuv. . . . .           | Sun-fish.              |               |
| elongata, Nitzsch . . . . .      | Sturgeon.              |               |
| <b>Fam. Distomidæ.</b>           |                        |               |
| <b>MONOSTOMA, Zeder.</b>         |                        |               |
| filicolle, Rud. . . . .          | Sea Bream.             |               |
| trigonocephalum, Rud. . . . .    | Turtle.                |               |
| <b>DISTOMA, Retzius.</b>         |                        |               |
| appendiculatum, Rud. . . . .     | Shad, &c.              |               |
| hispidum, Viborg . . . . .       | Sturgeon.              |               |
| megastomum, Rud. . . . .         | Smooth Shark.          |               |
| microcephalum, Baird . . . . .   | Spinous Shark.         |               |
| tumidulum, Rud. . . . .          | Pipe-fish.             |               |
| fulvum, Rud. . . . .             | Skate.                 |               |
| varicum . . . . .                | Salmon.                |               |
| gibbosum ?, Rud. . . . .         | Haddock.               |               |
| rufo-viride, Rud. . . . .        | Conger-eel.            |               |
| reflexum ? . . . . .             | Cyclopterus.           |               |
| excisum, Rud. . . . .            | Mackerel.              |               |
| scabrum, Zeder . . . . .         | Whiting.               |               |
| contortum, Rud. . . . .          | Sun-fish.              |               |
| nigro-flavum, Rud. . . . .       | Sun-fish.              |               |

ENTOZOA.

| Species.  | In what Animals found. | Observations. |
|---|------------------------|---------------|
| <i>HIRUDINELLA, Garsin.</i><br><i>clavata, Menzies</i> .....            | Bonito.                |               |
| Order ACANTHOCEPHALA.   |                        |               |
| Fam. Echinorhynchidæ.   |                        |               |
| <i>ECHINORHYNCHUS, Müller.</i><br><i>proteus, Westrumb</i> .....        | Flounder.              |               |
| <i>acis, Rud.</i> .....   | Cod, &c.               |               |
| <i>gibbosus, Rud.</i> .....   | Herring.               |               |
| <i>strumosus, Rud.</i> .....  | Seal.                  |               |
| Order CESTOIDEA.  |                        |               |
| Fam. Rhynchobothridæ.   |                        |               |
| <i>RHYNCHOBOTHRIUM, Blainville.</i><br><i>corollatum, Abildg.</i> ..... | Smooth Shark.          |               |
| <i>TETRA RHYNCHUS, Rudolphi.</i><br><i>megacephalus, Rud.</i> .....     | Spotted Dog-fish.      |               |
| <i>solidus, Drum.</i> .....   | Salmon.                |               |
| <i>grossus, Rud.</i> .....  | Salmon.                |               |
| <i>rugosus, Baird.</i> .....  | Salmon.                |               |
| <i>TETRA ROTHRIORHYNCHUS, Diesing.</i><br><i>barbatus, Linn.</i> .....  | Lemon Sole.            |               |
| Fam. Tæniadæ.   |                        |               |
| <i>BOTHRIOCEPHALUS, Rudolphi.</i><br><i>fragilis, Rud.</i> .....        | Shad.                  |               |
| <i>proboscideus, Batsch.</i> .....                                      | Salmon, &c.            |               |
| <i>punctatus, Rud.</i> .....  | Turbot, &c.            |               |
| <i>tumidulus, Rud.</i> .....  | Ray.                   |               |
| <i>microcephalus, Rud.</i> .....  | Sun-fish.              |               |
| <i>coronatus, Rud.</i> .....  | Skate.                 |               |
| <i>corollatus, Rud.</i> .....   | Dog-fish.              |               |
| <i>paleaceus, Rud.</i> .....  | Dog-fish.              |               |
| Fam. Scolecidæ.   |                        |               |
| <i>SCOLEX, Müller.</i><br><i>polymorphus, Rud.</i> .....                | Turbot, &c.            |               |
| Order CYSTICA.  |                        |               |
| Fam. Cysticidæ.   |                        |               |
| <i>ANTHOCEPHALUS, Rudolphi.</i><br><i>elongatus, Rud.</i> .....         | Sun-fish.              |               |
| <i>granulosus?, Rud.</i> .....  | Whiting, &c.           |               |
| <i>paradoxus, Drum.</i> .....   | Turbot.                |               |



# CLASS ECHINODERMATA.

| Species.                                  | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| Order CRINOIDEA.                          |          |                    |         |                 |               |
| COMATULA, <i>Lamareck.</i>                |          |                    |         |                 |               |
| <i>rosacea, Link</i> .....                |          |                    |         |                 |               |
| <i>Celtica, Barrett</i> .....             |          |                    |         |                 |               |
| <i>Sarsii, Von Döben &amp; Koren</i> .... |          |                    |         |                 |               |
| Order OPHIUROIDEA.                        |          |                    |         |                 |               |
| Fam. Ophiuridæ.                           |          |                    |         |                 |               |
| OPHIURA, <i>Lamareck.</i>                 |          |                    |         |                 |               |
| <i>texturata, Lamk.</i> .....             |          |                    |         |                 |               |
| <i>albida, Forbes</i> .....               |          |                    |         |                 |               |
| OPHIOCOMA, <i>Agassiz.</i>                |          |                    |         |                 |               |
| <i>neglecta, Johnst.</i> .....            |          |                    |         |                 |               |
| <i>punctata, Forbes</i> .....             |          |                    |         |                 |               |
| <i>filiformis, Müller</i> .....           |          |                    |         |                 |               |
| <i>securigera, D. &amp; K.</i> .....      |          |                    |         |                 |               |
| <i>bellis, Link</i> .....                 |          |                    |         |                 |               |
| <i>brachiata, Mont.</i> .....             |          |                    |         |                 |               |
| <i>Ballii, Thomps.</i> .....              |          |                    |         |                 |               |
| <i>Goodsiri, Forbes</i> .....             |          |                    |         |                 |               |
| <i>granulata, Link</i> .....              |          |                    |         |                 |               |
| <i>rosula, Link</i> .....                 |          |                    |         |                 |               |
| <i>minuta, Forbes</i> .....               |          |                    |         |                 |               |
| Subfam. Euryalidæ.                        |          |                    |         |                 |               |
| ASTROPHYTON, <i>Link.</i>                 |          |                    |         |                 |               |
| <i>scutatum, Link</i> .....               |          |                    |         |                 |               |
| Order ASTEROIDEA.                         |          |                    |         |                 |               |
| Fam. Asteriadæ.                           |          |                    |         |                 |               |
| URASTER, <i>Agassiz.</i>                  |          |                    |         |                 |               |
| <i>glacialis, Linn.</i> .....             |          |                    |         |                 |               |
| <i>rubens, Linn.</i> .....                |          |                    |         |                 |               |
| <i>violacea, Müller</i> .....             |          |                    |         |                 |               |
| <i>hispida, Penn.</i> .....               |          |                    |         |                 |               |
| <i>rosæ, Müller</i> .....                 |          |                    |         |                 |               |
| ECHINASTER, <i>Müller &amp; Troschel.</i> |          |                    |         |                 |               |
| <i>oculatus, Penn.</i> .....              |          |                    |         |                 |               |
| SOLASTER, <i>Forbes.</i>                  |          |                    |         |                 |               |
| <i>endeca, Linn.</i> .....                |          |                    |         |                 |               |
| <i>papposa, Linn.</i> .....               |          |                    |         |                 |               |

# ECHINODERMATA.

| Species.                                 | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| PALMIPES, <i>Link.</i>                   |          |                 |         |            |               |
| membranaceus, <i>Retz.</i> . . . . .     |          |                 |         |            |               |
| ASTERINA, <i>Nardo.</i>                  |          |                 |         |            |               |
| gibbosa, <i>Penn.</i> . . . . .          |          |                 |         |            |               |
| GONIASTER, <i>Agassiz.</i>               |          |                 |         |            |               |
| Templetoni, <i>Thomps.</i> . . . . .     |          |                 |         |            |               |
| equestris, <i>Gmelin.</i> . . . . .      |          |                 |         |            |               |
| Abbensis, <i>Forbes.</i> . . . . .       |          |                 |         |            |               |
| ASTERIAS, <i>Linnaeus.</i>               |          |                 |         |            |               |
| aurantiaca, <i>Linn.</i> . . . . .       |          |                 |         |            |               |
| LUIDIA, <i>Forbes.</i>                   |          |                 |         |            |               |
| fragilissima, <i>Forbes.</i> . . . . .   |          |                 |         |            |               |
| Savignii, <i>Audouin.</i> . . . . .      |          |                 |         |            |               |
| Order ECHINOIDEA.                        |          |                 |         |            |               |
| Fam. Cidaridæ.                           |          |                 |         |            |               |
| CIDARIS, <i>Leske.</i>                   |          |                 |         |            |               |
| papillata, <i>Leske.</i> . . . . .       |          |                 |         |            |               |
| ECHINUS, <i>Linnaeus.</i>                |          |                 |         |            |               |
| sphaera, <i>Müller.</i> . . . . .        |          |                 |         |            |               |
| Flemingii, <i>Ball.</i> . . . . .        |          |                 |         |            |               |
| miliaris, <i>Leske.</i> . . . . .        |          |                 |         |            |               |
| lividus, <i>Lamk.</i> . . . . .          |          |                 |         |            |               |
| melo, <i>Lamk.</i> . . . . .             |          |                 |         |            |               |
| Norvegicus, <i>D. &amp; K.</i> . . . . . |          |                 |         |            |               |
| neglectus, <i>Lamk.</i> . . . . .        |          |                 |         |            |               |
| Fam. Clypeasteridæ.                      |          |                 |         |            |               |
| ECHINOCYAMUS, <i>Leske.</i>              |          |                 |         |            |               |
| pusillus, <i>Müller.</i> . . . . .       |          |                 |         |            |               |
| ECHINARACHNIUS, <i>Leske.</i>            |          |                 |         |            |               |
| placenta, <i>Gmelin.</i> . . . . .       |          |                 |         |            |               |
| Fam. Spatangidæ.                         |          |                 |         |            |               |
| SPATANGUS, <i>Klein.</i>                 |          |                 |         |            |               |
| purpureus, <i>Müller.</i> . . . . .      |          |                 |         |            |               |
| BRISSUS, <i>Klein.</i>                   |          |                 |         |            |               |
| lyrifer, <i>Forbes.</i> . . . . .        |          |                 |         |            |               |
| AMPHIDOTUS, <i>Agassiz.</i>              |          |                 |         |            |               |
| cordatus, <i>Penn.</i> . . . . .         |          |                 |         |            |               |
| roseus, <i>Forbes.</i> . . . . .         |          |                 |         |            |               |
| gibbosus, <i>Barrett.</i> . . . . .      |          |                 |         |            |               |
| Order HOLOTHUROIDEA.                     |          |                 |         |            |               |
| Fam. Pentactidæ.                         |          |                 |         |            |               |
| CUCUMARIA, <i>Cuvier.</i>                |          |                 |         |            |               |
| frondosa, <i>Gunner.</i> . . . . .       |          |                 |         |            |               |

# ECHINODERMATA.

| Species.   | Range.   | Found living at. | Ground. | Frequency. | Observations. |
|--|----------|------------------|---------|------------|---------------|
|  | fathoms. | fathoms.         |         |            |               |
| <i>CUCUMARIA</i> , <i>Cuvier</i> .   |          |                  |         |            |               |
| ? <i>fucicola</i> , <i>Forbes &amp; Goodsir</i> . . . .                                      |          |                  |         |            |               |
| <i>pentactes</i> , <i>Müller</i> . . . . .   |          |                  |         |            |               |
| ? <i>Montagui</i> , <i>Flem.</i> . . . .   |          |                  |         |            |               |
| ? <i>Neillii</i> , <i>Flem.</i> . . . .  |          |                  |         |            |               |
| ? <i>dissimilis</i> , <i>Flem.</i> . . . .   |          |                  |         |            |               |
| <i>fusiformis</i> , <i>Forbes &amp; Goodsir</i> . . .  |          |                  |         |            |               |
| <i>Hyndmanni</i> , <i>Thomps.</i> . . . .  |          |                  |         |            |               |
| <i>Ocnus</i> , <i>Forbes</i> (= <i>CUCUMARIA</i> ?).   |          |                  |         |            |               |
| <i>brunneus</i> , <i>Forbes</i> . . . . .  |          |                  |         |            |               |
| <i>lacteus</i> , <i>Forbes &amp; Goodsir</i> . . . . .                                       |          |                  |         |            |               |
| <i>Psolinus</i> , <i>Forbes</i> .  |          |                  |         |            |               |
| <i>brevis</i> , <i>Forbes &amp; Goodsir</i> . . . . .  |          |                  |         |            |               |
| Fam. <i>Thyonidæ</i> .   |          |                  |         |            |               |
| <i>Thyone</i> , <i>Oken</i> .  |          |                  |         |            |               |
| <i>fuscus</i> , <i>Müll.</i> ( <i>papillosa</i> , <i>Abildg.</i> )                           |          |                  |         |            |               |
| <i>raphanus</i> , <i>Duben &amp; Koren</i> . . . .   |          |                  |         |            |               |
| <i>communis</i> , <i>F. &amp; G.</i> ( <i>Thyonidium</i> ,<br><i>D. &amp; K.</i> ) . . . . . |          |                  |         |            |               |
| <i>Portlockii</i> , <i>Forbes</i> . . . . .  |          |                  |         |            |               |
| <i>Drummondii</i> , <i>Thomps.</i> . . . .   |          |                  |         |            |               |
| <i>pellucida</i> , <i>Vahl</i> ( <i>CUCUMARIA</i> <i>hyalina</i> , <i>F.</i> ) . . . . .     |          |                  |         |            |               |
| <i>Holothuria</i> , <i>Linn.</i>   |          |                  |         |            |               |
| <i>nigra</i> , <i>Couch</i> . . . . .  |          |                  |         |            |               |
| <i>intestinalis</i> . . . . .  |          |                  |         |            |               |
| <i>tubulosa</i> , <i>Linn.</i> . . . .   |          |                  |         |            |               |
| Fam. <i>Psolidæ</i> .  |          |                  |         |            |               |
| <i>Psolus</i> , <i>Oken</i> .  |          |                  |         |            |               |
| <i>phantopus</i> , <i>Linn.</i> . . . .  |          |                  |         |            |               |
| <i>Forbesii</i> . . . . .  |          |                  |         |            |               |
| Fam. <i>Synaptidæ</i> .  |          |                  |         |            |               |
| <i>Synapta</i> , <i>Esch.</i>  |          |                  |         |            |               |
| <i>inhærens</i> , <i>Müll.</i> . . . .   |          |                  |         |            |               |
| <i>digitata</i> , <i>Mont.</i> . . . .   |          |                  |         |            |               |

# POLYZOA.

\*\* Classified as in the British Museum Catalogue by Mr. George Busk.

| Species.                      | Range.   | Found living at | Ground. | Frequency. | Observations. |
|-------------------------------|----------|-----------------|---------|------------|---------------|
|                               | fathoms. | fathoms.        |         |            |               |
| Order I. INFUNDIBULATA.       |          |                 |         |            |               |
| Suborder I. CHEILOSTOMATA.    |          |                 |         |            |               |
| Fam. II. Salicornariadæ.      |          |                 |         |            |               |
| SALICORNARIA, Cuvier.         |          |                 |         |            |               |
| farciminoïdes, Johnst. ....   |          |                 |         |            |               |
| Johnstoni, Busk .....         |          |                 |         |            |               |
| sinuosa, Hassall .....        |          |                 |         |            |               |
| ONCHOPORA, Busk.              |          |                 |         |            |               |
| borealis, Busk.....           |          |                 |         |            |               |
| Fam. III. Cellulariadæ.       |          |                 |         |            |               |
| CELLULARIA, Pallas.           |          |                 |         |            |               |
| Peachii, Busk .....           |          |                 |         |            |               |
| cuspidata, Busk .....         |          |                 |         |            |               |
| MENIPEA, Lamouroux.           |          |                 |         |            |               |
| ternata, Ellis & Soland. .... |          |                 |         |            |               |
| SCRUPOCELLARIA, Van Beneden.  |          |                 |         |            |               |
| scrupæa, Busk .....           |          |                 |         |            |               |
| scruposa, Linn.....           |          |                 |         |            |               |
| CANDA, Lamouroux.             |          |                 |         |            |               |
| reptans, Pall. ....           |          |                 |         |            |               |
| Fam. IV. Scrupariadæ.         |          |                 |         |            |               |
| SCRUPARIA, Oken.              |          |                 |         |            |               |
| chelata, Linn. ....           |          |                 |         |            |               |
| clavata, Hincks .....         |          |                 |         |            |               |
| SALPINGIA, Coppin.            |          |                 |         |            |               |
| Hassallii, Coppin.....        |          |                 |         |            |               |
| HIPPOTHOA, Lamouroux.         |          |                 |         |            |               |
| catenularia, Jameson .....    |          |                 |         |            |               |
| divaricata, Lamx.....         |          |                 |         |            |               |
| ETEA, Lamouroux.              |          |                 |         |            |               |
| anguina, Linn.....            |          |                 |         |            |               |
| truncata, Landsb.....         |          |                 |         |            |               |
| recta, Hincks .....           |          |                 |         |            |               |
| BEANTIA, Johnston.            |          |                 |         |            |               |
| mirabilis, Johnst. ....       |          |                 |         |            |               |
| Fam. VI. Gemellariadæ.        |          |                 |         |            |               |
| GEMELLARIA, Savigny.          |          |                 |         |            |               |
| loricata, Linn. ....          |          |                 |         |            |               |



POLYZOA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>NOTAMIA, Fleming.</i><br><i>bursaria, Linn.</i> .....  | fathoms. | fathoms.        |         |            |               |
| <b>Fam. VII. Cabereadæ.</b>   |          |                 |         |            |               |
| <i>CABEREA, Lamouroux.</i><br><i>Hookeri, Flem.</i> .....<br><i>Boryi, Aud.</i> .....   |          |                 |         |            |               |
| <b>Fam. VIII. Bicellariadæ.</b>   |          |                 |         |            |               |
| <i>BICELLARIA, De Blainville.</i><br><i>ciliata, Linn.</i> .....<br><i>Alderii, Busk</i> .....  |          |                 |         |            |               |
| <i>BUGULA, Oken.</i><br><i>neritina, Linn.</i> .....<br><i>flabellata, J. V. Thomps.</i> .....<br><i>avicularia, Pall.</i> .....<br><i>plumosa, Pall.</i> .....<br><i>Murrayana, Bean.</i> .....<br><i>turbinata, Alder</i> .....<br><i>fastigiata, Fabr.</i> .....   |          |                 |         |            |               |
| <b>Fam. IX. Flustradæ.</b>  |          |                 |         |            |               |
| <i>FLUSTRA, Linn.</i><br><i>foliacea, Linn.</i> .....<br><i>papyracea, Ellis</i> .....<br><i>truncata, Linn.</i> .....<br><i>Barleci, Busk</i> .....  |          |                 |         |            |               |
| <i>CARBASEA, Gray.</i><br><i>papyrea, Pall.</i> .....   |          |                 |         |            |               |
| <b>Fam. X. Membraniporidæ.</b>  |          |                 |         |            |               |
| <i>MEMBRANIPORA, De Blainville.</i><br><i>membranacea, Linn.</i> .....<br><i>pilosa, Pall.</i> .....<br><i>coriacea, Esper</i> .....<br><i>lineata, Linn.</i> .....<br><i>Flemingii, Busk</i> .....<br><i>Rosschii, Audouin</i> .....<br><i>Lacroixii, Savigny</i> .....<br><i>monostachys, Busk</i> .....<br><i>hexagona, Busk</i> .....<br><i>Pouilletii, Audouin</i> .....<br><i>spinifera, Johnst.</i> .....<br><i>craticula, Alder</i> .....<br><i>unicornis, Flem.</i> .....<br><i>imbellis, Hincks</i> ..... |          |                 |         |            |               |

## POLYZOA.

| Species.                              | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---------------------------------------|----------|--------------------|---------|-----------------|---------------|
| <i>LEPRALIA, Johnston.</i>            | fathoms. | fathoms.           |         |                 |               |
| <i>Brongniartii, Aud.</i> .....       |          |                    |         |                 |               |
| <i>Landsborovii, Johnst.</i> .....    |          |                    |         |                 |               |
| <i>reticulata, Macgillivray</i> ..... |          |                    |         |                 |               |
| <i>auriculata, Hassall</i> .....      |          |                    |         |                 |               |
| <i>concinna, Busk</i> .....           |          |                    |         |                 |               |
| <i>verrucosa, Esper</i> .....         |          |                    |         |                 |               |
| <i>violacea, Johnst.</i> .....        |          |                    |         |                 |               |
| <i>spinifera, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>trispinosa, Johnst.</i> .....      |          |                    |         |                 |               |
| <i>coccinea, Abildg.</i> .....        |          |                    |         |                 |               |
| <i>linearis, Hassall</i> .....        |          |                    |         |                 |               |
| <i>ciliata, Pall.</i> .....           |          |                    |         |                 |               |
| <i>Gattyæ, Landsb.</i> .....          |          |                    |         |                 |               |
| <i>Hyndmanni, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>variolosa, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>nitida, Fabr.</i> .....            |          |                    |         |                 |               |
| <i>annulata, Fabr.</i> .....          |          |                    |         |                 |               |
| <i>bispinosa, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>Peachii, Johnst.</i> .....         |          |                    |         |                 |               |
| <i>ventricosa, Hassall</i> .....      |          |                    |         |                 |               |
| <i>melolontha, Landsb.</i> .....      |          |                    |         |                 |               |
| <i>innominata, Couch</i> .....        |          |                    |         |                 |               |
| <i>punctata, Hassall</i> .....        |          |                    |         |                 |               |
| <i>figularis, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>pertusa, Esper</i> .....           |          |                    |         |                 |               |
| <i>Pallasiana</i> .....               |          |                    |         |                 |               |
| <i>labrosa, Busk</i> .....            |          |                    |         |                 |               |
| <i>simplex, Johnst.</i> .....         |          |                    |         |                 |               |
| <i>Malusii, Aud.</i> .....            |          |                    |         |                 |               |
| <i>granifera, Johnst.</i> .....       |          |                    |         |                 |               |
| <i>hyalina, Linn.</i> .....           |          |                    |         |                 |               |
| <i>ansata, Johnst.</i> .....          |          |                    |         |                 |               |
| <i>unicornis, Flem.</i> .....         |          |                    |         |                 |               |
| <i>ringens, Busk</i> .....            |          |                    |         |                 |               |
| <i>fissa, Busk</i> .....              |          |                    |         |                 |               |
| <i>Cecilii, Audouin</i> .....         |          |                    |         |                 |               |
| <i>Barleci, Busk</i> .....            |          |                    |         |                 |               |
| <i>canthariformis, Busk</i> .....     |          |                    |         |                 |               |
| <i>umbonata, Busk</i> .....           |          |                    |         |                 |               |
| <i>discoidea, Busk</i> .....          |          |                    |         |                 |               |
| <i>bella, Busk</i> .....              |          |                    |         |                 |               |
| <i>monodon, Busk</i> .....            |          |                    |         |                 |               |
| <i>alba, Hincks</i> .....             |          |                    |         |                 |               |
| <i>eximia, Hincks</i> .....           |          |                    |         |                 |               |
| <i>Woodiana, Busk</i> .....           |          |                    |         |                 |               |
| <i>ALYSIDOTA, Busk.</i>               |          |                    |         |                 |               |
| <i>Alderi, Busk</i> .....             |          |                    |         |                 |               |

POLYZOA.

| Species.                          | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|-----------------------------------|----------|--------------------|---------|-----------------|---------------|
| <b>Fam. XI. Celleporidæ.</b>      | fathoms. | fathoms.           |         |                 |               |
| <b>CELLEPORA, Fabr.</b>           |          |                    |         |                 |               |
| pumicosa, Linn. ....              |          |                    |         |                 |               |
| Hassallii, Johnst. ....           |          |                    |         |                 |               |
| vitrina, Couch ....               |          |                    |         |                 |               |
| ramulosa, Linn. ....              |          |                    |         |                 |               |
| Skenei, Ellis & Soland. ....      |          |                    |         |                 |               |
| tubigera, Busk. ....              |          |                    |         |                 |               |
| armata, Hincks. ....              |          |                    |         |                 |               |
| avicularis, Hincks. ....          |          |                    |         |                 |               |
| <b>Fam. XII. Escharidæ.</b>       |          |                    |         |                 |               |
| <b>ESCHARA, Ray.</b>              |          |                    |         |                 |               |
| foliacea, Ellis & Soland. ....    |          |                    |         |                 |               |
| cervicornis, Soland. ....         |          |                    |         |                 |               |
| cribraria, Johnst. ....           |          |                    |         |                 |               |
| <b>RETEPORA, Lamarck.</b>         |          |                    |         |                 |               |
| cellulosa, Linn. ....             |          |                    |         |                 |               |
| Beaniana, King ....               |          |                    |         |                 |               |
| <b>Suborder II. Cyclostomata.</b> |          |                    |         |                 |               |
| <b>Fam. I. Tubuliporidæ.</b>      |          |                    |         |                 |               |
| <b>TUBULIPORA, Lamarck.</b>       |          |                    |         |                 |               |
| patina, Linn. ....                |          |                    |         |                 |               |
| hispida, Flem. ....               |          |                    |         |                 |               |
| penicillata, Johnst. ....         |          |                    |         |                 |               |
| truncata, Jameson ....            |          |                    |         |                 |               |
| lobulata, Hassall ....            |          |                    |         |                 |               |
| phalangea, Couch ....             |          |                    |         |                 |               |
| flabellaris, Fabr. ....           |          |                    |         |                 |               |
| serpens, Linn. ....               |          |                    |         |                 |               |
| hyalina, Couch ....               |          |                    |         |                 |               |
| <b>DIASTOPORA, Lamouroux.</b>     |          |                    |         |                 |               |
| obelica, Flem. ....               |          |                    |         |                 |               |
| <b>IDMONEA, Lamouroux.</b>        |          |                    |         |                 |               |
| Atlantica, Forbes ....            |          |                    |         |                 |               |
| <b>PSTULIPORA, De Blainville.</b> |          |                    |         |                 |               |
| proboscidea, M.-Edw. ....         |          |                    |         |                 |               |
| deflexa, Couch ....               |          |                    |         |                 |               |
| Orcadensis, Busk ....             |          |                    |         |                 |               |
| <b>ALECTO, Lamouroux.</b>         |          |                    |         |                 |               |
| granulata, M.-Edw. ....           |          |                    |         |                 |               |
| major, Johnst. ....               |          |                    |         |                 |               |
| dilatans, Johnst. ....            |          |                    |         |                 |               |
| incurvata, Hincks. ....           |          |                    |         |                 |               |

POLYZOA.

| Species.                           | Range.   | Found living at | Ground. | Frequency. | Observations. |
|------------------------------------|----------|-----------------|---------|------------|---------------|
|                                    | fathoms. | fathoms.        |         |            |               |
| <b>Fam. II. Crisiadæ.</b>          |          |                 |         |            |               |
| <i>CRISIA, Lamouroux.</i>          |          |                 |         |            |               |
| eburnea, Linn. ....                |          |                 |         |            |               |
| denticulata, Lamk. ....            |          |                 |         |            |               |
| aculeata, Hassall ....             |          |                 |         |            |               |
| geniculata, M.-Edw. ....           |          |                 |         |            |               |
| <i>CRISIDIA, M.-Edwards.</i>       |          |                 |         |            |               |
| cornuta, Linn. ....                |          |                 |         |            |               |
| setacea, Couch ....                |          |                 |         |            |               |
| <b>Suborder III. CTENOSTOMATA.</b> |          |                 |         |            |               |
| <b>Fam. I. Alcyonidiadæ.</b>       |          |                 |         |            |               |
| <i>ALCYONIDIUM, Lamouroux.</i>     |          |                 |         |            |               |
| gelatinosum, Pallas ....           |          |                 |         |            |               |
| hirsutum, Flem. ....               |          |                 |         |            |               |
| parasiticum, Flem. ....            |          |                 |         |            |               |
| maniillatum, Alder ....            |          |                 |         |            |               |
| albidum, Alder ....                |          |                 |         |            |               |
| hexagonum, Hincks ....             |          |                 |         |            |               |
| <i>CYCLOUM, Hass.</i>              |          |                 |         |            |               |
| papillosum, Hass. ....             |          |                 |         |            |               |
| <i>SARCOCHITUM, Hass.</i>          |          |                 |         |            |               |
| polyoum, Johnst. ....              |          |                 |         |            |               |
| <b>Fam. II. Vesiculariadæ.</b>     |          |                 |         |            |               |
| <i>AMATHIA, Lamouroux.</i>         |          |                 |         |            |               |
| lendigera, Linn. ....              |          |                 |         |            |               |
| <i>VESICULARIA, Thompson.</i>      |          |                 |         |            |               |
| spinosa, Linn. ....                |          |                 |         |            |               |
| <i>VALKERIA, Fleming.</i>          |          |                 |         |            |               |
| cuscuta, Ellis ....                |          |                 |         |            |               |
| uva, Linn. ....                    |          |                 |         |            |               |
| pustulosa, Johnst. ....            |          |                 |         |            |               |
| <i>MIMOSELLA, Hincks.</i>          |          |                 |         |            |               |
| gracilis, Hincks ....              |          |                 |         |            |               |
| <i>AVENELLA, Dalyell.</i>          |          |                 |         |            |               |
| fusca, Dalyell ....                |          |                 |         |            |               |
| <i>NOTELLA, Gosse.</i>             |          |                 |         |            |               |
| stipata, Gosse ....                |          |                 |         |            |               |
| <i>BOWERBANKIA, Farre.</i>         |          |                 |         |            |               |
| imbricata, Johnst. ....            |          |                 |         |            |               |
| <i>FARRELLA, Ehrenberg.</i>        |          |                 |         |            |               |
| repens, Johnst. ....               |          |                 |         |            |               |
| elongata ....                      |          |                 |         |            |               |
| gigantea ....                      |          |                 |         |            |               |

# POLYZOA.—HYDROZOA.

| Species.                                 | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
|  | fathoms. | fathoms.        |         |            |               |
| <i>FARRELLA</i> , <i>Ehrenberg</i> .     |          |                 |         |            |               |
| <i>pedicellata</i> , <i>Alder</i> .....  |          |                 |         |            |               |
| <i>dilatata</i> , <i>Hincks</i> .....    |          |                 |         |            |               |
| <i>ANGUINELLA</i> , <i>Van Beneden</i> . |          |                 |         |            |               |
| <i>palmata</i> , <i>V. Ben.</i> .....    |          |                 |         |            |               |
| <i>BUSKIA</i> , <i>Alder</i> .           |          |                 |         |            |               |
| <i>nitens</i> , <i>Alder</i> .....       |          |                 |         |            |               |
| Fam. III. <i>Pedicellinidæ</i> .         |          |                 |         |            |               |
| <i>PEDICELLINA</i> , <i>Sars</i> .       |          |                 |         |            |               |
| <i>echinata</i> , <i>Sars</i> .....      |          |                 |         |            |               |
| <i>Belgica</i> .....                     |          |                 |         |            |               |
| <i>gracilis</i> .....                    |          |                 |         |            |               |

## Sub-Kingdom CÆLEENTERATA.

### CLASS HYDROZOA.

\* \* This list is compiled from Dr. Johnston's "British Zoophytes" (2nd edit.). Forbes's "British Naked-eyed Medusæ," and the works of Mr. Alder, Prof. Allman, Mr. Cobbold, Mr. Gosse, Prof. Greene, Rev. Thomas Hincks, Prof. Huxley, Dr. T. Stretbill Wright, &c.

#### Order CORYNIDÆ.

##### Fam. I. *Coryniadæ*.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>CLAVA</i> , <i>Gmelin</i> .  |  |  |  |  |  |
| <i>multicornis</i> , <i>Johnston</i> ( <i>repens</i> ,<br><i>T. S. Wright</i> ; <i>discreta</i> , <i>All-</i><br><i>man</i> ) ..... |  |  |  |  |  |
| <i>cornea</i> , <i>T. S. Wright</i> .....   |  |  |  |  |  |
| <i>membranacea</i> , <i>T. S. Wright</i> ..   |  |  |  |  |  |
| <i>VORTICLAVA</i> , <i>Alder</i> .  |  |  |  |  |  |
| <i>humilis</i> , <i>Alder</i> .....   |  |  |  |  |  |
| <i>LAR</i> , <i>Gosse</i> .   |  |  |  |  |  |
| <i>Sabellarum</i> , <i>Gosse</i> .....  |  |  |  |  |  |
| <i>HYDRACTINIA</i> , <i>Van Beneden</i> ( <i>Po-</i><br><i>docoryna</i> , <i>Sars</i> ). .  |  |  |  |  |  |
| <i>echinata</i> , <i>Flem.</i> .....  |  |  |  |  |  |
| <i>carnea</i> , <i>Sars</i> .....   |  |  |  |  |  |
| <i>MYRIOTHELA</i> , <i>Sars</i> .   |  |  |  |  |  |
| <i>arctica</i> , <i>Sars</i> .....  |  |  |  |  |  |



## HYDROZOA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>CLAVATELLA</i> , <i>Hincks</i> .   | fathoms. | fathoms.        |         |            |               |
| <i>prolifera</i> , <i>Hincks</i> .....  |          |                 |         |            |               |
| <i>CORYNE</i> , <i>Gaertner</i> .   |          |                 |         |            |               |
| <i>pusilla</i> , <i>Ehr.</i> .....  |          |                 |         |            |               |
| <i>Sarsii</i> , <i>Lovén</i> ( <i>decipiens</i> , <i>Dujardin</i> ) .....   |          |                 |         |            |               |
| <i>ramosa</i> , <i>Ehr.</i> ( <i>Listerii</i> , <i>Van Beneden</i> ) .....  |          |                 |         |            |               |
| <i>sessilis</i> , <i>Gosse</i> .....  |          |                 |         |            |               |
| <i>gravata</i> , <i>T. S. Wright</i> .....  |          |                 |         |            |               |
| <i>eximia</i> , <i>Allman</i> .....   |          |                 |         |            |               |
| <i>implexa</i> , <i>T. S. Wright</i> ( <i>TUBULARIA implexa</i> , <i>Alder</i> ; ? <i>C. Briareus</i> , <i>Allman</i> ) ..... |          |                 |         |            |               |
| <i>Cerberus</i> , <i>Gosse</i> .....  |          |                 |         |            |               |
| <i>stauridia</i> , <i>Dujardin</i> . [Should be referred to the next genus.] ..   |          |                 |         |            |               |
| <i>STAUROIDIA</i> , <i>T. S. Wright</i> .   |          |                 |         |            |               |
| <i>producta</i> , <i>T. S. Wright</i> .....   |          |                 |         |            |               |
| <i>TRICHYDRA</i> , <i>T. S. Wright</i> .  |          |                 |         |            |               |
| <i>pudica</i> , <i>T. S. Wright</i> .....   |          |                 |         |            |               |
| Fam. II. <i>Tubulariadae</i> .  |          |                 |         |            |               |
| <i>EUDENDRIUM</i> , <i>Ehrenberg</i> .  |          |                 |         |            |               |
| <i>ramosum</i> , <i>Linn.</i> .....   |          |                 |         |            |               |
| <i>rameum</i> , <i>Pall.</i> .....  |          |                 |         |            |               |
| <i>capillare</i> , <i>Alder</i> .....   |          |                 |         |            |               |
| <i>arbuscula</i> , <i>T. S. Wright</i> .....  |          |                 |         |            |               |
| <i>ATRACTYLIS</i> , <i>T. S. Wright</i> .   |          |                 |         |            |               |
| <i>ramosa</i> , <i>Van Beneden</i> .....  |          |                 |         |            |               |
| <i>repens</i> , <i>T. S. Wright</i> .....   |          |                 |         |            |               |
| <i>sessilis</i> , <i>T. S. Wright</i> .....   |          |                 |         |            |               |
| <i>DICORYNE</i> , <i>Allman</i> .   |          |                 |         |            |               |
| <i>conferta</i> , <i>Alder</i> ( <i>EUDEND. confertum</i> , <i>Alder</i> ) .....  |          |                 |         |            |               |
| <i>GARVEIA</i> , <i>T. S. Wright</i> .  |          |                 |         |            |               |
| <i>nutans</i> , <i>T. S. Wright</i> .....   |          |                 |         |            |               |
| <i>BIMERIA</i> , <i>T. S. Wright</i> .  |          |                 |         |            |               |
| <i>vestita</i> ( <i>MANICELLA fusca</i> , <i>Allman</i> ) .....   |          |                 |         |            |               |
| <i>TUBULARIA</i> , <i>Linnaeus</i> .  |          |                 |         |            |               |
| <i>indivisa</i> , <i>Linn.</i> .....  |          |                 |         |            |               |
| <i>Dumortierii</i> , <i>Van Beneden</i> .....   |          |                 |         |            |               |
| <i>larynx</i> , <i>Ellis</i> .....  |          |                 |         |            |               |
| <i>gracilis</i> , <i>Harvey</i> .....   |          |                 |         |            |               |
| <i>CORYMORPHA</i> , <i>Sars</i> .   |          |                 |         |            |               |
| <i>nutans</i> , <i>Sars</i> .....   |          |                 |         |            |               |
| <i>nana</i> , <i>Alder</i> .....  |          |                 |         |            |               |

## HYDROZOA.

| Species.                                    | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| Order SERTULARIDÆ.                          |          |                    |         |                 |               |
| Fam. I. Sertulariadae.                      |          |                    |         |                 |               |
| <i>HALECIUM, Oken.</i>                      |          |                    |         |                 |               |
| halecinum, <i>Ellis</i> .....               |          |                    |         |                 |               |
| Beanii, <i>Johnst.</i> .....                |          |                    |         |                 |               |
| muricatum, <i>Ellis &amp; Soland.</i> ..... |          |                    |         |                 |               |
| labrosum, <i>Alder</i> .....                |          |                    |         |                 |               |
| tenellum, <i>Hincks</i> .....               |          |                    |         |                 |               |
| <i>SERTULARIA, Linnæus.</i>                 |          |                    |         |                 |               |
| polyzonias, <i>Linn.</i> .....              |          |                    |         |                 |               |
| tricuspidata, <i>Alder</i> .....            |          |                    |         |                 |               |
| tenella, <i>Alder</i> .....                 |          |                    |         |                 |               |
| Gayi, <i>Lamx.</i> .....                    |          |                    |         |                 |               |
| rugosa, <i>Ellis</i> .....                  |          |                    |         |                 |               |
| rosacea, <i>Linn.</i> .....                 |          |                    |         |                 |               |
| pumila, <i>Linn.</i> .....                  |          |                    |         |                 |               |
| gracilis, <i>Hassall</i> .....              |          |                    |         |                 |               |
| Evansii, <i>Ellis &amp; Soland.</i> .....   |          |                    |         |                 |               |
| nigra, <i>Pallas</i> .....                  |          |                    |         |                 |               |
| pinnata, <i>Pallas</i> .....                |          |                    |         |                 |               |
| alata, <i>Hincks</i> .....                  |          |                    |         |                 |               |
| pinaster, <i>Ellis &amp; Soland.</i> .....  |          |                    |         |                 |               |
| Margareta, <i>Hassall</i> .....             |          |                    |         |                 |               |
| fallax, <i>Johnst.</i> .....                |          |                    |         |                 |               |
| tamarisca, <i>Linn.</i> .....               |          |                    |         |                 |               |
| abietina, <i>Linn.</i> .....                |          |                    |         |                 |               |
| filicula, <i>Ellis &amp; Soland.</i> .....  |          |                    |         |                 |               |
| operculata, <i>Linn.</i> .....              |          |                    |         |                 |               |
| argentea, <i>Ellis &amp; Soland.</i> .....  |          |                    |         |                 |               |
| cupressina, <i>Linn.</i> .....              |          |                    |         |                 |               |
| fusca, <i>Johnst.</i> .....                 |          |                    |         |                 |               |
| <i>THUARIA, Fleming.</i>                    |          |                    |         |                 |               |
| thuia, <i>Linn.</i> .....                   |          |                    |         |                 |               |
| articulata, <i>Pallas</i> .....             |          |                    |         |                 |               |
| <i>ANTENNULARIA, Lamarck.</i>               |          |                    |         |                 |               |
| antennina, <i>Linn.</i> .....               |          |                    |         |                 |               |
| ramosa, <i>Lamx.</i> .....                  |          |                    |         |                 |               |
| <i>PLUMULARIA, Lamarck.</i>                 |          |                    |         |                 |               |
| falcata, <i>Linn.</i> .....                 |          |                    |         |                 |               |
| cristata, <i>Lamk.</i> .....                |          |                    |         |                 |               |
| pennatula, <i>Ellis &amp; Soland.</i> ..... |          |                    |         |                 |               |
| myriophyllum, <i>Linn.</i> .....            |          |                    |         |                 |               |
| tubulifera, <i>Hincks</i> .....             |          |                    |         |                 |               |
| pinnata, <i>Linn.</i> .....                 |          |                    |         |                 |               |
| setacea, <i>Ellis</i> .....                 |          |                    |         |                 |               |
| Catherina, <i>Johnst.</i> .....             |          |                    |         |                 |               |
| echinulata, <i>Lamk.</i> .....              |          |                    |         |                 |               |

## HYDROZOA.

| Species.   | Range.   | Found living at | Ground. | Frequency. | Observations. |
|--|----------|-----------------|---------|------------|---------------|
| <i>PLUMULARIA, Lamarck.</i>  | fathoms. | fathoms.        |         |            |               |
| <i>similis, Hincks</i> .....   |          |                 |         |            |               |
| <i>frutescens, Ellis &amp; Soland.</i> ....                          |          |                 |         |            |               |
| <i>halecioides, Alder</i> .....                                      |          |                 |         |            |               |
| <i>obliqua, Saunders (LAOMEDEA</i>                                   |          |                 |         |            |               |
| <i>obliqua, Johnst.)</i> .....                                       |          |                 |         |            |               |
| <b>Fam. II. Campanulariadae.</b>                                     |          |                 |         |            |               |
| <i>LAOMEDEA, Lamouroux.</i>  |          |                 |         |            |               |
| <i>dichotoma, Linn.</i> .....  |          |                 |         |            |               |
| <i>longissima, Pallas</i> .....                                      |          |                 |         |            |               |
| <i>geniculata, Linn.</i> .....                                       |          |                 |         |            |               |
| <i>flexuosa, Hincks</i> .....  |          |                 |         |            |               |
| <i>Loveni, Allman</i> .....  |          |                 |         |            |               |
| <i>gelatinosa, Pallas</i> .....                                      |          |                 |         |            |               |
| <i>angulata, Hincks</i> .....  |          |                 |         |            |               |
| <i>neglecta, Alder</i> .....   |          |                 |         |            |               |
| <i>pulchella, Wyville Thomson</i> ..                                 |          |                 |         |            |               |
| <i>lacerata, Johnst.</i> .....                                       |          |                 |         |            |               |
| <i>tenuis, Allman</i> .....  |          |                 |         |            |               |
| <i>acuminata, Alder</i> .....  |          |                 |         |            |               |
| <i>CAMPANULARIA, Lamarck.</i>  |          |                 |         |            |               |
| <i>volubilis, Linn.</i> .....  |          |                 |         |            |               |
| <i>Johnstoni, Alder</i> .....  |          |                 |         |            |               |
| <i>Hincksii, Alder</i> .....   |          |                 |         |            |               |
| <i>raridentata, Alder</i> .....                                      |          |                 |         |            |               |
| <i>integra, Macgillivray</i> .....                                   |          |                 |         |            |               |
| <i>caliculata, Hincks</i> .....                                      |          |                 |         |            |               |
| <i>verticillata, Linn.</i> .....                                     |          |                 |         |            |               |
| [ <i>intertexta, Couch</i> — a very doubtful species] .....          |          |                 |         |            |               |
| <i>CALICELLA, Hincks.</i>  |          |                 |         |            |               |
| <i>dumosa, Flem.</i> .....   |          |                 |         |            |               |
| <i>gracillima, Alder</i> .....                                       |          |                 |         |            |               |
| <i>parvula, Hincks</i> .....   |          |                 |         |            |               |
| <i>syringa, Linn.</i> .....  |          |                 |         |            |               |
| <i>fastigiata, Alder</i> .....                                       |          |                 |         |            |               |
| <i>humilis, Hincks</i> .....   |          |                 |         |            |               |
| <i>RETICULARIA, Wyville Thomson.</i>                                 |          |                 |         |            |               |
| <i>serpens, Hassall</i> .....  |          |                 |         |            |               |
| <i>GRAMMARIA, Stimpson.</i>  |          |                 |         |            |               |
| <i>fumosa, Alder</i> .....   |          |                 |         |            |               |
| <i>COPPINTIA, Hassall.</i> [The position of this genus is doubtful.] |          |                 |         |            |               |
| <i>arcta, Dalyell</i> .....  |          |                 |         |            |               |

## HYDROZOA.

| Species.                                       | Range.   | Found<br>living at. | Ground. | Fre-<br>quency. | Observations. |
|--|----------|---------------------|---------|-----------------|---------------|
| Order CALYCOPHORIDÆ.                           | fathoms. | fathoms.            |         |                 |               |
| Fam. Diphydæ.                                  |          |                     |         |                 |               |
| DIPHYTES, <i>Cuvier</i> .                      |          |                     |         |                 |               |
| appendiculata, <i>Eschscholtz</i> . . . .      |          |                     |         |                 |               |
| Order PHYSOPHORIDÆ.                            |          |                     |         |                 |               |
| Fam. I. Stephanomiadæ.                         |          |                     |         |                 |               |
| (?) HALISTEMMA, <i>Huxley</i> .                |          |                     |         |                 |               |
| rubrum, <i>Vogt</i> . . . . .                  |          |                     |         |                 |               |
| Fam. II. Physaliadæ.                           |          |                     |         |                 |               |
| PHYSALIA, <i>Lamarck</i> .                     |          |                     |         |                 |               |
| pelagica, <i>Eschscholtz</i> . . . . .         |          |                     |         |                 |               |
| VELELLA, <i>Lamarck</i> .                      |          |                     |         |                 |               |
| spirans, <i>Forsk.</i> . . . .                 |          |                     |         |                 |               |
| Order MEDUSIDÆ.                                |          |                     |         |                 |               |
| Fam. I. Willsiadæ.                             |          |                     |         |                 |               |
| WILLISIA, <i>Forbes</i> .                      |          |                     |         |                 |               |
| stellata, <i>Forbes</i> . . . . .              |          |                     |         |                 |               |
| Fam. II. Oceanidæ.                             |          |                     |         |                 |               |
| TURRIS, <i>Lesson</i> .                        |          |                     |         |                 |               |
| digitalis, <i>O. F. Müller</i> . . . . .       |          |                     |         |                 |               |
| neglecta, <i>Lesson</i> . . . . .              |          |                     |         |                 |               |
| constricta, <i>Patterson</i> . . . . .         |          |                     |         |                 |               |
| SAPHENIA, <i>Eschscholtz</i> .                 |          |                     |         |                 |               |
| dinema, <i>Péron</i> . . . . .                 |          |                     |         |                 |               |
| Titania, <i>Gosse</i> . . . . .                |          |                     |         |                 |               |
| OCEANIA, <i>Péron</i> .                        |          |                     |         |                 |               |
| octona, <i>Flem.</i> . . . .                   |          |                     |         |                 |               |
| episcopalis, <i>Forbes</i> . . . . .           |          |                     |         |                 |               |
| turrata, <i>Forbes</i> . . . . .               |          |                     |         |                 |               |
| globulosa, <i>Forbes</i> . . . . .             |          |                     |         |                 |               |
| ducalis, <i>Forbes &amp; Goodsir</i> . . . . . |          |                     |         |                 |               |
| pusilla, <i>Gosse</i> . . . . .                |          |                     |         |                 |               |
| Fam. III. Æquoreadæ.                           |          |                     |         |                 |               |
| STOMOBRAHIUM, <i>Brandt</i> .                  |          |                     |         |                 |               |
| octocostatum, <i>Sars</i> . . . . .            |          |                     |         |                 |               |
| POLYXENIA, <i>Eschscholtz</i> .                |          |                     |         |                 |               |
| Aldcri, <i>Forbes</i> . . . . .                |          |                     |         |                 |               |

## HYDROZOA.

| Species.   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| <i>ÆQUOREA</i> , <i>Péron</i> .                      |          |                    |         |                 |               |
| <i>Forskalii</i> , <i>Forbes</i> .....               |          |                    |         |                 |               |
| <i>Forbesiana</i> , <i>Gosse</i> .....               |          |                    |         |                 |               |
| <i>vitrina</i> , <i>Gosse</i> .....                  |          |                    |         |                 |               |
| <i>formosa</i> , <i>Greene</i> .....                 |          |                    |         |                 |               |
| sp., <i>Greene</i> .....                             |          |                    |         |                 |               |
| <b>Fam. IV. Circeadæ.</b>                            |          |                    |         |                 |               |
| <i>CIRCE</i> , <i>Mertens</i> .                      |          |                    |         |                 |               |
| <i>rosea</i> , <i>Forbes</i> .....                   |          |                    |         |                 |               |
| <b>Fam. V. Geryoniadæ.</b>                           |          |                    |         |                 |               |
| <i>GERTONIA</i> , <i>Péron</i> .                     |          |                    |         |                 |               |
| <i>appendiculata</i> , <i>Forbes</i> .....           |          |                    |         |                 |               |
| <i>TIMA</i> , <i>Eschscholtz</i> .                   |          |                    |         |                 |               |
| <i>Bairdii</i> , <i>Johnst.</i> .....                |          |                    |         |                 |               |
| <i>GERTONOPSIS</i> , <i>Forbes</i> .                 |          |                    |         |                 |               |
| <i>delicatula</i> , <i>Forbes</i> .....              |          |                    |         |                 |               |
| <i>TIAROPSIS</i> , <i>Agassiz</i> .                  |          |                    |         |                 |               |
| <i>Pattersonii</i> , <i>Greene</i> .....             |          |                    |         |                 |               |
| <i>THAUMANTIAS</i> , <i>Eschscholtz</i> .            |          |                    |         |                 |               |
| <i>pilosella</i> , <i>Forbes</i> .....               |          |                    |         |                 |               |
| <i>quadrata</i> , <i>Forbes</i> .....                |          |                    |         |                 |               |
| <i>aeronautica</i> , <i>Forbes</i> .....             |          |                    |         |                 |               |
| <i>octona</i> , <i>Forbes</i> .....                  |          |                    |         |                 |               |
| <i>maculata</i> , <i>Forbes</i> .....                |          |                    |         |                 |               |
| <i>melanops</i> , <i>Forbes</i> .....                |          |                    |         |                 |               |
| <i>globosa</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>convexa</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>gibbosa</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>lineata</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>pileata</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>Sarnica</i> , <i>Forbes</i> .....                 |          |                    |         |                 |               |
| <i>Thompsoni</i> , <i>Forbes</i> .....               |          |                    |         |                 |               |
| <i>hemisphærica</i> , <i>O. F. Müller</i> .....      |          |                    |         |                 |               |
| <i>inconspicua</i> , <i>Forbes</i> .....             |          |                    |         |                 |               |
| <i>punctata</i> , <i>Forbes</i> .....                |          |                    |         |                 |               |
| <i>lucifera</i> , <i>Forbes</i> .....                |          |                    |         |                 |               |
| <i>Buskiana</i> , <i>Gosse</i> .....                 |          |                    |         |                 |               |
| <i>corynetes</i> , <i>Gosse</i> .....                |          |                    |         |                 |               |
| <i>undulata</i> , <i>Forbes &amp; Goodsir</i> .....  |          |                    |         |                 |               |
| <i>confluens</i> , <i>Forbes &amp; Goodsir</i> ..... |          |                    |         |                 |               |
| <i>achroa</i> , <i>Cobbold</i> .....                 |          |                    |         |                 |               |
| <i>neglecta</i> , <i>Greene</i> .....                |          |                    |         |                 |               |
| <i>typica</i> , <i>Greene</i> .....                  |          |                    |         |                 |               |
| <i>SLABBERIA</i> , <i>Forbes</i> .                   |          |                    |         |                 |               |
| <i>halterata</i> , <i>Forbes</i> .....               |          |                    |         |                 |               |
| <i>catenata</i> , <i>Forbes &amp; Goodsir</i> .....  |          |                    |         |                 |               |



## HYDROZOA.

| Species.  | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
|   | fathoms. | fathoms.           |         |                 |               |
| <b>Fam. VI. Sarsiadæ.</b>                                 |          |                    |         |                 |               |
| <i>PLANCIA</i> , <i>Forbes &amp; Goodsir</i> .            |          |                    |         |                 |               |
| <i>gracilis</i> , <i>Forbes &amp; Goodsir</i> . . . . .   |          |                    |         |                 |               |
| <i>GOODSIREA</i> , <i>Strethill Wright</i> .              |          |                    |         |                 |               |
| <i>mirabilis</i> , <i>S. Wright</i> . . . . .             |          |                    |         |                 |               |
| <i>SARSIA</i> , <i>Lesson</i> .                           |          |                    |         |                 |               |
| <i>tubulosa</i> , <i>Sars</i> . . . . .                   |          |                    |         |                 |               |
| <i>pulchella</i> , <i>Forbes</i> . . . . .                |          |                    |         |                 |               |
| <i>gemmifera</i> , <i>Forbes</i> . . . . .                |          |                    |         |                 |               |
| <i>prolifera</i> , <i>Forbes</i> . . . . .                |          |                    |         |                 |               |
| <i>HIPPOCRENE</i> , <i>Mertens</i> .                      |          |                    |         |                 |               |
| <i>Britannica</i> , <i>Forbes</i> . . . . .               |          |                    |         |                 |               |
| <i>nigritella</i> , <i>Forbes</i> . . . . .               |          |                    |         |                 |               |
| <i>pyramidata</i> , <i>Forbes &amp; Goodsir</i> . . . . . |          |                    |         |                 |               |
| <i>crucifera</i> , <i>Forbes &amp; Goodsir</i> . . . . .  |          |                    |         |                 |               |
| <i>simplex</i> , <i>Forbes &amp; Goodsir</i> . . . . .    |          |                    |         |                 |               |
| <i>dinema</i> , <i>Greene</i> . . . . .                   |          |                    |         |                 |               |
| <i>LIZZIA</i> , <i>Forbes</i> .                           |          |                    |         |                 |               |
| <i>octopunctata</i> , <i>Sars</i> . . . . .               |          |                    |         |                 |               |
| <i>blondina</i> , <i>Forbes</i> . . . . .                 |          |                    |         |                 |               |
| <i>sp.</i> , <i>Claparède</i> . . . . .                   |          |                    |         |                 |               |
| <i>MODEERIA</i> , <i>Forbes</i> .                         |          |                    |         |                 |               |
| <i>formosa</i> , <i>Forbes</i> . . . . .                  |          |                    |         |                 |               |
| <i>DIPLONEMA</i> , <i>Greene</i> .                        |          |                    |         |                 |               |
| <i>Islandica</i> , <i>Greene</i> . . . . .                |          |                    |         |                 |               |
| <i>EUPHYSA</i> , <i>Forbes</i> .                          |          |                    |         |                 |               |
| <i>aurata</i> , <i>Forbes</i> . . . . .                   |          |                    |         |                 |               |
| <i>STEENSTRUPIA</i> , <i>Forbes</i> .                     |          |                    |         |                 |               |
| <i>rubra</i> , <i>Forbes</i> . . . . .                    |          |                    |         |                 |               |
| <i>flavcola</i> , <i>Forbes</i> . . . . .                 |          |                    |         |                 |               |
| <i>Owëni</i> , <i>Greene</i> . . . . .                    |          |                    |         |                 |               |
| <b>Order LUCERNARIIDÆ.</b>                                |          |                    |         |                 |               |
| <b>Fam. I. Lucernariadæ.</b>                              |          |                    |         |                 |               |
| <i>LUCERNARIA</i> , <i>Müller</i> .                       |          |                    |         |                 |               |
| <i>auricula</i> , <i>Fabr.</i> . . . .                    |          |                    |         |                 |               |
| <i>campanulata</i> , <i>Lamæ.</i> . . . .                 |          |                    |         |                 |               |
| <i>fascicularis</i> , <i>Flem.</i> . . . .                |          |                    |         |                 |               |
| <i>DEPASTRUM</i> , <i>Gosse</i> .                         |          |                    |         |                 |               |
| <i>stellifrons</i> , <i>Gosse</i> . . . . .               |          |                    |         |                 |               |
| <i>CARDUELLA</i> , <i>Allman</i> .                        |          |                    |         |                 |               |
| <i>cyathiformis</i> , <i>Sars</i> . . . . .               |          |                    |         |                 |               |
| <b>Fam. II. Pelagidæ.</b>                                 |          |                    |         |                 |               |
| <i>AURELLA</i> , <i>Péron</i> .                           |          |                    |         |                 |               |
| <i>aurita</i> , <i>O. F. Müller</i> . . . . .             |          |                    |         |                 |               |
| <i>campanula</i> , <i>O. Fabricius</i> . . . . .          |          |                    |         |                 |               |

# HYDROZOA.—ACTINOZOA.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>CYANEA</i> , <i>Péron</i> .                    | fathoms. | fathoms.        |         |            |               |
| <i>capillata</i> , <i>Linn.</i> . . . . .         |          |                 |         |            |               |
| <i>Lamarckii</i> , <i>Péron</i> . . . . .         |          |                 |         |            |               |
| <i>PELAGIA</i> , <i>Péron et Lesueur</i> .        |          |                 |         |            |               |
| <i>cyanella</i> , <i>Péron et Lesueur</i> . . . . |          |                 |         |            |               |
| <i>CHRYSAORA</i> , <i>Péron</i> .                 |          |                 |         |            |               |
| <i>hysoscella</i> , <i>Linn.</i> . . . . .        |          |                 |         |            |               |
| Fam. III. <i>Rhizostomidæ</i> .                   |          |                 |         |            |               |
| <i>CASSIOPEIA</i> , <i>Péron</i> .                |          |                 |         |            |               |
| <i>lunulata</i> , <i>Flem.</i> . . . . .          |          |                 |         |            |               |
| <i>RHIZOSTOMA</i> , <i>Cuvier</i> .               |          |                 |         |            |               |
| <i>pulmo</i> , <i>Gmel.</i> . . . . .             |          |                 |         |            |               |

## CLASS ACTINOZOA.

\*.\* The list of Zoantharia is taken from Gosse's "Actinologia."

### Order ZOANTHARIA.

#### Fam. I. *Actiniadæ*.

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <i>ACTINOLOBIA</i> , <i>Blainville</i> .       |  |  |  |  |  |
| <i>dianthus</i> , <i>Blainv.</i> . . . . .     |  |  |  |  |  |
| <i>SAGARTIA</i> , <i>Gosse</i> .               |  |  |  |  |  |
| <i>bellis</i> , <i>Ellis</i> . . . . .         |  |  |  |  |  |
| <i>miniata</i> , <i>Gosse</i> . . . . .        |  |  |  |  |  |
| <i>rosea</i> , <i>Gosse</i> . . . . .          |  |  |  |  |  |
| <i>ornata</i> , <i>Holdsworth</i> . . . . .    |  |  |  |  |  |
| <i>ichthystoma</i> , <i>Gosse</i> . . . . .    |  |  |  |  |  |
| <i>nivea</i> , <i>Gosse</i> . . . . .          |  |  |  |  |  |
| <i>sphyrodeta</i> , <i>Gosse</i> . . . . .     |  |  |  |  |  |
| <i>pallida</i> , <i>Holdsworth</i> . . . . .   |  |  |  |  |  |
| <i>pura</i> , <i>Alder</i> . . . . .           |  |  |  |  |  |
| <i>coccinea</i> , <i>Müll.</i> . . . . .       |  |  |  |  |  |
| <i>trogloodytes</i> , <i>Johnst.</i> . . . . . |  |  |  |  |  |
| <i>viduata</i> , <i>Müll.</i> . . . . .        |  |  |  |  |  |
| <i>parasitica</i> , <i>Johnst.</i> . . . . .   |  |  |  |  |  |
| <i>chrysosplenium</i> , <i>Cocks</i> . . . . . |  |  |  |  |  |
| <i>ADAMISIA</i> , <i>Forbes</i> .              |  |  |  |  |  |
| <i>palliata</i> , <i>Forbes</i> . . . . .      |  |  |  |  |  |
| <i>PIHELLIA</i> , <i>Gosse</i> .               |  |  |  |  |  |
| <i>murocineta</i> , <i>Gosse</i> . . . . .     |  |  |  |  |  |
| <i>gausapata</i> , <i>Gosse</i> . . . . .      |  |  |  |  |  |
| <i>picta</i> , <i>Gosse</i> . . . . .          |  |  |  |  |  |
| <i>Brodricii</i> , <i>Gosse</i> . . . . .      |  |  |  |  |  |
| <i>GREGORIA</i> , <i>Gosse</i> .               |  |  |  |  |  |
| <i>fenestrata</i> , <i>Gosse</i> . . . . .     |  |  |  |  |  |
| <i>APTASIA</i> , <i>Cocks</i> .                |  |  |  |  |  |
| <i>Couchii</i> , <i>Cocks</i> . . . . .        |  |  |  |  |  |

ACTINOZOA.

| Species.                               | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| ANTHEA, <i>Gaertner</i> .              |          |                    |         |                 |               |
| cereus, <i>Ellis</i> . . . . .         |          |                    |         |                 |               |
| ACTINIA, <i>Linn.</i>                  |          |                    |         |                 |               |
| mesembryanthemum, <i>Ellis</i> . . . . |          |                    |         |                 |               |
| BOLOCERA, <i>Johnst.</i>               |          |                    |         |                 |               |
| Tuediæ, <i>Johnst.</i> . . . . .       |          |                    |         |                 |               |
| eques, <i>Gosse</i> . . . . .          |          |                    |         |                 |               |
| BUNODES, <i>Gosse.</i>                 |          |                    |         |                 |               |
| gemmacea, <i>Ellis</i> . . . . .       |          |                    |         |                 |               |
| thallia, <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| Ballii, <i>Cocks</i> . . . . .         |          |                    |         |                 |               |
| coronata, <i>Gosse</i> . . . . .       |          |                    |         |                 |               |
| TEALIA, <i>Gosse.</i>                  |          |                    |         |                 |               |
| digitata, <i>Müll.</i> . . . . .       |          |                    |         |                 |               |
| tuberculata, <i>Cocks</i> . . . . .    |          |                    |         |                 |               |
| crassicornis, <i>Müll.</i> . . . . .   |          |                    |         |                 |               |
| HORMATHIA, <i>Gosse.</i>               |          |                    |         |                 |               |
| margarita, <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| STOMPHIA, <i>Gosse.</i>                |          |                    |         |                 |               |
| Churchiæ, <i>Gosse</i> . . . . .       |          |                    |         |                 |               |
| ILYANTHUS, <i>Forbes.</i>              |          |                    |         |                 |               |
| Scoticus, <i>Forbes</i> . . . . .      |          |                    |         |                 |               |
| Mitchellii, <i>Gosse</i> . . . . .     |          |                    |         |                 |               |
| PEACHIA, <i>Gosse.</i>                 |          |                    |         |                 |               |
| hastata, <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| undata, <i>Gosse</i> . . . . .         |          |                    |         |                 |               |
| triphylla, <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| cylindrica, <i>Reid</i> . . . . .      |          |                    |         |                 |               |
| HALCAMP, <i>Gosse.</i>                 |          |                    |         |                 |               |
| chrysanthemum, <i>Peach</i> . . . . .  |          |                    |         |                 |               |
| microps, <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| EDWARDSIA, <i>Quatrefages.</i>         |          |                    |         |                 |               |
| callimorpha, <i>Gosse</i> . . . . .    |          |                    |         |                 |               |
| carnea, <i>Gosse</i> . . . . .         |          |                    |         |                 |               |
| Beautempsii, <i>Quatref.</i> . . . . . |          |                    |         |                 |               |
| ARACHNACTIS, <i>Sars.</i>              |          |                    |         |                 |               |
| albida, <i>Sars</i> . . . . .          |          |                    |         |                 |               |
| CERIANTHUS, <i>J. Haime.</i>           |          |                    |         |                 |               |
| Lloydii, <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| vermicularis, <i>Forbes</i> . . . . .  |          |                    |         |                 |               |
| CAPNEA, <i>Forbes.</i>                 |          |                    |         |                 |               |
| sanguinea, <i>Forbes</i> . . . . .     |          |                    |         |                 |               |
| AURELIANIA, <i>Gosse.</i>              |          |                    |         |                 |               |
| angusta, <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| heterocera, <i>Thomps.</i> . . . . .   |          |                    |         |                 |               |
| CORYNACTIS, <i>Allman.</i>             |          |                    |         |                 |               |
| viridis, <i>Allman</i> . . . . .       |          |                    |         |                 |               |

Fam. II. Zoanthidæ.

|                                   |  |
|-----------------------------------|--|
| ZOANTHUS, <i>Cuvier.</i>          |  |
| Couchii, <i>Johnst.</i> . . . . . |  |

# ACTINOZOA.

| Species.                                      | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|---|----------|--------------------|---------|-----------------|---------------|
| <i>ZOANTHUS</i> , <i>Cuvier</i> .             | fathoms. | fathoms.           |         |                 |               |
| <i>sulcatus</i> , <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| <i>Alderi</i> , <i>Gosse</i> . . . . .        |          |                    |         |                 |               |
| Fam. III. <i>Caryophylleadæ</i> .             |          |                    |         |                 |               |
| <i>CYATHINA</i> , <i>Ehrenberg</i> .          |          |                    |         |                 |               |
| <i>Smithii</i> , <i>Flem.</i> . . . .         |          |                    |         |                 |               |
| <i>PARACYATHUS</i> , <i>M.-Edwards</i> .      |          |                    |         |                 |               |
| <i>Taxilianus</i> , <i>Gosse</i> . . . . .    |          |                    |         |                 |               |
| <i>Thulensis</i> , <i>Gosse</i> . . . . .     |          |                    |         |                 |               |
| <i>pteropus</i> , <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| <i>DESMOPHYLLUM</i> , <i>Ehrenberg</i> .      |          |                    |         |                 |               |
| <i>Stokesii</i> , <i>M.-Edw.</i> . . . .      |          |                    |         |                 |               |
| <i>SPHENOTROCHUS</i> , <i>M.-Edwards</i> .    |          |                    |         |                 |               |
| <i>Macandrewanus</i> , <i>M.-Edw.</i> . . . . |          |                    |         |                 |               |
| <i>Wrightii</i> , <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| <i>ULOCYATHUS</i> , <i>Sars</i> .             |          |                    |         |                 |               |
| <i>arcticus</i> , <i>Sars</i> . . . . .       |          |                    |         |                 |               |
| <i>OCULINA</i> , <i>Lamarck</i> .             |          |                    |         |                 |               |
| <i>prolifera</i> , <i>Linn.</i> . . . .       |          |                    |         |                 |               |
| <i>HOPLANGIA</i> , <i>Gosse</i> .             |          |                    |         |                 |               |
| <i>Durotrix</i> , <i>Gosse</i> . . . . .      |          |                    |         |                 |               |
| <i>BALANOPHYLLIA</i> , <i>Wood</i> .          |          |                    |         |                 |               |
| <i>regia</i> , <i>Gosse</i> . . . . .         |          |                    |         |                 |               |
| Order <i>ALCYONARIA</i> .                     |          |                    |         |                 |               |
| Fam. I. <i>Pennatuladæ</i> .                  |          |                    |         |                 |               |
| <i>PENNATULA</i> , <i>Linnaeus</i> .          |          |                    |         |                 |               |
| <i>phosphorea</i> , <i>Linn.</i> . . . .      |          |                    |         |                 |               |
| <i>VIRGULARIA</i> , <i>Lamarck</i> .          |          |                    |         |                 |               |
| <i>mirabilis</i> , <i>Linn.</i> . . . .       |          |                    |         |                 |               |
| <i>PATONARIA</i> , <i>Cuvier</i> .            |          |                    |         |                 |               |
| <i>quadrangularis</i> , <i>Pall.</i> . . . .  |          |                    |         |                 |               |
| Fam. II. <i>Alcyonidæ</i> .                   |          |                    |         |                 |               |
| <i>ALCYONIUM</i> , <i>Linnaeus</i> .          |          |                    |         |                 |               |
| <i>digitatum</i> , <i>Linn.</i> . . . .       |          |                    |         |                 |               |
| <i>glomeratum</i> . . . . .                   |          |                    |         |                 |               |
| <i>SARCODICTYON</i> , <i>Forbes</i> .         |          |                    |         |                 |               |
| <i>catenata</i> , <i>Forbes</i> . . . . .     |          |                    |         |                 |               |
| <i>agglomerata</i> . . . . .                  |          |                    |         |                 |               |
| Fam. III. <i>Gorgoniadæ</i> .                 |          |                    |         |                 |               |
| <i>GORGONIA</i> , <i>Linnaeus</i> .           |          |                    |         |                 |               |
| <i>verrucosa</i> , <i>Linn.</i> . . . .       |          |                    |         |                 |               |
| <i>pinnata</i> , <i>Linn.</i> . . . .         |          |                    |         |                 |               |
| <i>anceps</i> , <i>Ellis</i> . . . . .        |          |                    |         |                 |               |
| <i>PRIMNOA</i> , <i>Lamarck</i> .             |          |                    |         |                 |               |
| <i>lepadifera</i> , <i>Linn.</i> . . . .      |          |                    |         |                 |               |

# ACTINOZOA.

| Species.                          | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|-----------------------------------|----------|--------------------|---------|-----------------|---------------|
|                                   | fathoms. | fathoms.           |         |                 |               |
| Order CTENOPHORA.                 |          |                    |         |                 |               |
| Fam. I. Cydippidæ.                |          |                    |         |                 |               |
| CYDIPPE, <i>Esch.</i>             |          |                    |         |                 |               |
| pileus, <i>Müll.</i> .....        |          |                    |         |                 |               |
| Flemingii, <i>Forbes</i> .....    |          |                    |         |                 |               |
| infundibulum, <i>Müll.</i> .....  |          |                    |         |                 |               |
| lagena, <i>Forbes</i> .....       |          |                    |         |                 |               |
| pomiformis, <i>Paterson</i> ..... |          |                    |         |                 |               |
| Fam. II. Calymnidæ.               |          |                    |         |                 |               |
| BOLINA, <i>Paterson.</i>          |          |                    |         |                 |               |
| Hibernica, <i>Paterson</i> .....  |          |                    |         |                 |               |
| Fam. III. Beroidæ.                |          |                    |         |                 |               |
| BEROË, <i>Müller.</i>             |          |                    |         |                 |               |
| cucumis, <i>Fabr.</i> .....       |          |                    |         |                 |               |
| fulgens, <i>Flem.</i> .....       |          |                    |         |                 |               |
| borealis, <i>Less.</i> .....      |          |                    |         |                 |               |
| ALCINOË, <i>Cuv.</i>              |          |                    |         |                 |               |
| rotunda .....                     |          |                    |         |                 |               |
| Smithii .....                     |          |                    |         |                 |               |



# Sub-Kingdom PROTOZOA.

## FORAMINIFERA.

\* \* This list of British Foraminifera is taken from Prof. Williamson's "Recent Foraminifera of Great Britain," published by the Ray Society.

| Species.                                | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
|   | fathoms. | fathoms.        |         |            |               |
| PROTEONINA, <i>Williamson</i> .         |          |                 |         |            |               |
| <i>fusiformis, Williamson</i> .....     |          |                 |         |            |               |
| <i>pseudospiralis, Williamson</i> ..... |          |                 |         |            |               |
| ORBULINA, <i>D'Orbigny</i> .            |          |                 |         |            |               |
| <i>universa, D'Orb.</i> .....           |          |                 |         |            |               |
| LAGENA, <i>Walker</i> .                 |          |                 |         |            |               |
| <i>vulgaris, Williamson</i> .....       |          |                 |         |            |               |
| <i>var. clavata</i> .....               |          |                 |         |            |               |
| <i>var. perlucida</i> .....             |          |                 |         |            |               |
| <i>var. semistriata</i> .....           |          |                 |         |            |               |
| <i>var. striata</i> .....               |          |                 |         |            |               |
| <i>var. interrupta</i> .....            |          |                 |         |            |               |
| <i>var. gracilis</i> .....              |          |                 |         |            |               |
| <i>var. substriata</i> .....            |          |                 |         |            |               |
| ENTOSOLENIA, <i>Ehrenberg</i> .         |          |                 |         |            |               |
| <i>globosa, Walker</i> .....            |          |                 |         |            |               |
| <i>var. lineata</i> .....               |          |                 |         |            |               |
| <i>costata, Williamson</i> .....        |          |                 |         |            |               |
| <i>marginata, Walker</i> .....          |          |                 |         |            |               |
| <i>var. lucida</i> .....                |          |                 |         |            |               |
| <i>var. ornata</i> .....                |          |                 |         |            |               |
| <i>var. lagenoides</i> .....            |          |                 |         |            |               |
| <i>var. quadrata</i> .....              |          |                 |         |            |               |
| <i>squamosa, Mont.</i> .....            |          |                 |         |            |               |
| <i>var. scalariformis</i> .....         |          |                 |         |            |               |
| <i>var. catenulata</i> .....            |          |                 |         |            |               |
| <i>var. hexagona</i> .....              |          |                 |         |            |               |
| LINGULINA, <i>D'Orbigny</i> .           |          |                 |         |            |               |
| <i>carinata, D'Orb.</i> .....           |          |                 |         |            |               |
| NODOSARIA, <i>Lamarck</i> .             |          |                 |         |            |               |
| <i>radicula, Linn.</i> .....            |          |                 |         |            |               |
| <i>pyrula, D'Orb.</i> .....             |          |                 |         |            |               |
| DENTALINA, <i>D'Orbigny</i> .           |          |                 |         |            |               |
| <i>subarcuata, Mont.</i> .....          |          |                 |         |            |               |
| <i>var. jugosa</i> .....                |          |                 |         |            |               |
| <i>legumen, Linn.</i> .....             |          |                 |         |            |               |
| <i>var. linearis</i> .....              |          |                 |         |            |               |
| FRONDICULARIA, <i>DeFrance</i> .        |          |                 |         |            |               |
| <i>spathulata, Williamson</i> .....     |          |                 |         |            |               |
| <i>Archiaciana, D'Orb.</i> .....        |          |                 |         |            |               |
| CRISTELLARIA, <i>Lamarck</i> .          |          |                 |         |            |               |
| <i>calcar, Linn.</i> .....              |          |                 |         |            |               |
| <i>var. rotifera</i> .....              |          |                 |         |            |               |
| <i>var. oblonga</i> .....               |          |                 |         |            |               |

## FORAMINIFERA.

| Species.   | Range.   | Found<br>living at. | Ground. | Fre-<br>quency | Observations. |
|--|----------|---------------------|---------|----------------|---------------|
|  | fathoms. | fathoms.            |         |                |               |
| <i>CRISTELLARIA</i> , <i>Lamarck</i> .           |          |                     |         |                |               |
| <i>subarcuatula</i> , <i>Walker</i> .....        |          |                     |         |                |               |
| <i>var. costata</i> .....                        |          |                     |         |                |               |
| <i>NONIONINA</i> , <i>D'Orbigny</i> .            |          |                     |         |                |               |
| <i>Barleecana</i> , <i>Williamson</i> .....      |          |                     |         |                |               |
| <i>crassula</i> , <i>Walker</i> .....            |          |                     |         |                |               |
| <i>Jeffreysii</i> , <i>Williamson</i> .....      |          |                     |         |                |               |
| <i>elegans</i> , <i>Williamson</i> .....         |          |                     |         |                |               |
| <i>NUMMULINA</i> , <i>D'Orbigny</i> .            |          |                     |         |                |               |
| <i>planulata</i> , <i>Lam.</i> .....             |          |                     |         |                |               |
| <i>POLYSTOMELLA</i> , <i>Lamarck</i> .           |          |                     |         |                |               |
| <i>crispa</i> , <i>Linn.</i> .....               |          |                     |         |                |               |
| <i>umbilicatulula</i> , <i>Walker</i> .....      |          |                     |         |                |               |
| <i>var. incerta</i> .....                        |          |                     |         |                |               |
| <i>PENEROPLIS</i> , <i>Montfort</i> .            |          |                     |         |                |               |
| <i>planatus</i> , <i>Ficht. &amp; Moll</i> ..... |          |                     |         |                |               |
| <i>PATELLINA</i> , <i>Williamson</i> .           |          |                     |         |                |               |
| <i>corrugata</i> , <i>Williamson</i> .....       |          |                     |         |                |               |
| <i>ROTALINA</i> , <i>D'Orbigny</i> .             |          |                     |         |                |               |
| <i>Beccarii</i> , <i>Linn.</i> .....             |          |                     |         |                |               |
| <i>inflata</i> , <i>Mont.</i> .....              |          |                     |         |                |               |
| <i>turgida</i> , <i>Williamson</i> .....         |          |                     |         |                |               |
| <i>oblonga</i> , <i>Williamson</i> .....         |          |                     |         |                |               |
| <i>concamerata</i> , <i>Mont.</i> .....          |          |                     |         |                |               |
| <i>nitida</i> , <i>Williamson</i> .....          |          |                     |         |                |               |
| <i>mamilla</i> , <i>Williamson</i> .....         |          |                     |         |                |               |
| <i>ochracea</i> , <i>Williamson</i> .....        |          |                     |         |                |               |
| <i>fusca</i> , <i>Williamson</i> .....           |          |                     |         |                |               |
| <i>GLOBIGERINA</i> , <i>D'Orbigny</i> .          |          |                     |         |                |               |
| <i>bulloides</i> , <i>D'Orb.</i> .....           |          |                     |         |                |               |
| <i>PLANORBULINA</i> , <i>D'Orbigny</i> .         |          |                     |         |                |               |
| <i>vulgaris</i> , <i>D'Orb.</i> .....            |          |                     |         |                |               |
| <i>TRUNCATULINA</i> , <i>D'Orbigny</i> .         |          |                     |         |                |               |
| <i>lobatula</i> , <i>Walker</i> .....            |          |                     |         |                |               |
| <i>BULIMINA</i> , <i>D'Orbigny</i> .             |          |                     |         |                |               |
| <i>pupoides</i> , <i>D'Orb.</i> .....            |          |                     |         |                |               |
| <i>var. marginata</i> .....                      |          |                     |         |                |               |
| <i>var. spinulosa</i> .....                      |          |                     |         |                |               |
| <i>var. fusiformis</i> .....                     |          |                     |         |                |               |
| <i>var. compressa</i> .....                      |          |                     |         |                |               |
| <i>var. convoluta</i> .....                      |          |                     |         |                |               |
| <i>elegantissima</i> , <i>D'Orb.</i> .....       |          |                     |         |                |               |
| <i>scabra</i> ?, <i>Williamson</i> .....         |          |                     |         |                |               |
| <i>UVIGERINA</i> , <i>D'Orbigny</i> .            |          |                     |         |                |               |
| <i>pygmæa</i> , <i>D'Orb.</i> .....              |          |                     |         |                |               |
| <i>angulosa</i> , <i>Williamson</i> .....        |          |                     |         |                |               |
| <i>CASSIDULINA</i> , <i>D'Orbigny</i> .          |          |                     |         |                |               |
| <i>lævigata</i> , <i>D'Orb.</i> .....            |          |                     |         |                |               |
| <i>obtusa</i> , <i>Williamson</i> .....          |          |                     |         |                |               |

FORAMINIFERA.—SPONGES.

| Species.                               | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| POLYMORPHINA, <i>D'Orbigny</i> .       |          |                    |         |                 |               |
| lactea, <i>Walker</i> .....            |          |                    |         |                 |               |
| var. acuminata .....                   |          |                    |         |                 |               |
| var. oblonga .....                     |          |                    |         |                 |               |
| var. fistulosa .....                   |          |                    |         |                 |               |
| var. concava .....                     |          |                    |         |                 |               |
| var. communis .....                    |          |                    |         |                 |               |
| myristiformis, <i>Williamson</i> ..... |          |                    |         |                 |               |
| TEXTULARIA, <i>DeFrance</i> .          |          |                    |         |                 |               |
| cuneiformis, <i>D'Orb.</i> .....       |          |                    |         |                 |               |
| var. conica .....                      |          |                    |         |                 |               |
| variabilis, <i>Williamson</i> .....    |          |                    |         |                 |               |
| var. spathulata .....                  |          |                    |         |                 |               |
| var. difformis .....                   |          |                    |         |                 |               |
| var. lævigata .....                    |          |                    |         |                 |               |
| BILOCULINA, <i>D'Orbigny</i> .         |          |                    |         |                 |               |
| ringens, <i>D'Orb.</i> .....           |          |                    |         |                 |               |
| var. carinata .....                    |          |                    |         |                 |               |
| SPIROLOCULINA, <i>D'Orbigny</i> .      |          |                    |         |                 |               |
| depressa, <i>D'Orb.</i> .....          |          |                    |         |                 |               |
| var. rotundata .....                   |          |                    |         |                 |               |
| var. cymbium .....                     |          |                    |         |                 |               |
| MILIOLINA, <i>Williamson</i> .         |          |                    |         |                 |               |
| trigonula, <i>Lamk.</i> .....          |          |                    |         |                 |               |
| seminulum, <i>Linn.</i> .....          |          |                    |         |                 |               |
| var. oblonga .....                     |          |                    |         |                 |               |
| var. disciformis .....                 |          |                    |         |                 |               |
| bicornis, <i>Walker</i> .....          |          |                    |         |                 |               |
| var. elegans .....                     |          |                    |         |                 |               |
| var. angulata .....                    |          |                    |         |                 |               |
| VERTEBRALINA, <i>D'Orbigny</i> .       |          |                    |         |                 |               |
| striata, <i>D'Orb.</i> .....           |          |                    |         |                 |               |
| SPIRILLINA, <i>Ehrenberg</i> .         |          |                    |         |                 |               |
| foliacea, <i>Philippi</i> .....        |          |                    |         |                 |               |
| perforata, <i>Schultze</i> .....       |          |                    |         |                 |               |
| arenacea, <i>Williamson</i> .....      |          |                    |         |                 |               |
| margaritifera, <i>Williamson</i> ..... |          |                    |         |                 |               |

LIST OF BRITISH SPONGES.

|  |  |  |  |  |
|--|--|--|--|--|
| TETHYA, <i>Lamarck</i> .                       |  |  |  |  |
| cranium, <i>Johnst.</i> (not <i>Müll.</i> ) .. |  |  |  |  |
| lynceurium, <i>Johnst.</i> .....               |  |  |  |  |
| GEODIA, <i>Lamarck</i> .                       |  |  |  |  |
| Zetlandica, <i>Johnst.</i> .....               |  |  |  |  |

## SPONGES.

| Species.   | Range.   | Found living at | Ground. | Frequency. | Observations |
|--|----------|-----------------|---------|------------|--------------|
| <i>PACHYMATISMA</i> , <i>Bowerbank</i> .   | fathoms. | fath oms.       |         |            |              |
| <i>Johnstonia</i> , <i>Bowb.</i> ( <i>HALICHONDRIA</i> , <i>Johnst.</i> )        |          |                 |         |            |              |
| <i>HALICHONDRIA</i> , <i>Fleming</i> .   |          |                 |         |            |              |
| <i>panicea</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>coalita</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>coccinea</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>glabra</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>inconspicua</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>caduca</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>distorta</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>Dickiei</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Batei</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>lingua</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>corrugata</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>granulata</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Thompsoni</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>plumosa</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>incrustans</i> , <i>Johnst.</i>   |          |                 |         |            |              |
| <i>fallax</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>paupera</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Clarkei</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>variantia</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Hyndmanni</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>nigricans</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Ingalli</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>fimbriata</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>albula</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>farinaria</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>HYMENIACIDON</i> , <i>Bowerbank</i> ( <i>HALICHONDRIA</i> , <i>Johnst.</i> ). |          |                 |         |            |              |
| <i>Thomasii</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>fragilis</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>Brettii</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>albescens</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>caruncula</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>Alderi</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>perlevis</i> , <i>Johnst.</i>   |          |                 |         |            |              |
| <i>aurea</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>pachyderma</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>crustula</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>sanguinea</i> , <i>Johnst.</i>  |          |                 |         |            |              |
| <i>armatura</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>floreum</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>carnosa</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>viridans</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>sulphurea</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>clavigera</i> , <i>Bowb. MS.</i>  |          |                 |         |            |              |
| <i>subclavata</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>lactea</i> , <i>Bowb. MS.</i>   |          |                 |         |            |              |
| <i>Dujardinii</i> ( <i>HALISARCA</i> ), <i>Johnst.</i>                           |          |                 |         |            |              |

## SPONGES.

| Species.   | Range.   | Found<br>living at | Ground. | Fre-<br>quency. | Observations. |
|--|----------|--------------------|---------|-----------------|---------------|
|  | fathoms. | fathoms.           |         |                 |               |
| HYMENIACIDON, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ).    |          |                    |         |                 |               |
| <i>celata</i> , <i>Johnst.</i> . . . . .                           |          |                    |         |                 |               |
| HALINA, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ).          |          |                    |         |                 |               |
| <i>suberea</i> (HALICHONDRIA), <i>Johnst.</i>                      |          |                    |         |                 |               |
| <i>ficus</i> , <i>Johnst.</i> . . . . .                            |          |                    |         |                 |               |
| <i>carnosa</i> , <i>Johnst.</i> . . . . .                          |          |                    |         |                 |               |
| <i>Bucklandi</i> , <i>Bowb. MS.</i> . . . . .                      |          |                    |         |                 |               |
| ISODICTYA, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ).       |          |                    |         |                 |               |
| <i>Peachii</i> , <i>Bowb. MS.</i> . . . . .                        |          |                    |         |                 |               |
| <i>rosea</i> , <i>Bowb. MS.</i> . . . . .                          |          |                    |         |                 |               |
| <i>permollis</i> , <i>Bowb. MS.</i> . . . . .                      |          |                    |         |                 |               |
| <i>indistincta</i> , <i>Bowb. MS.</i> . . . . .                    |          |                    |         |                 |               |
| <i>indefinita</i> , <i>Bowb. MS.</i> . . . . .                     |          |                    |         |                 |               |
| <i>Macandrewii</i> , <i>Bowb. MS.</i> . . . . .                    |          |                    |         |                 |               |
| <i>dichotoma</i> , <i>Bowb. MS.</i> . . . . .                      |          |                    |         |                 |               |
| <i>cinerea</i> , <i>Johnst.</i> . . . . .                          |          |                    |         |                 |               |
| <i>ramuseulus</i> , <i>Bowb. MS.</i> . . . . .                     |          |                    |         |                 |               |
| <i>simulo</i> , <i>Bowb. MS.</i> . . . . .                         |          |                    |         |                 |               |
| <i>mammeata</i> , <i>Bowb. MS.</i> . . . . .                       |          |                    |         |                 |               |
| <i>fucorum</i> , <i>Johnst.</i> . . . . .                          |          |                    |         |                 |               |
| <i>Alderi</i> , <i>Bowb. MS.</i> . . . . .                         |          |                    |         |                 |               |
| <i>Normani</i> , <i>Bowb. MS.</i> . . . . .                        |          |                    |         |                 |               |
| <i>lobata</i> , <i>Johnst.</i> . . . . .                           |          |                    |         |                 |               |
| <i>Barleci</i> , <i>Bowb. MS.</i> . . . . .                        |          |                    |         |                 |               |
| <i>gracilis</i> , <i>Bowb. MS.</i> . . . . .                       |          |                    |         |                 |               |
| <i>Gregorii</i> , <i>Bowb. MS.</i> . . . . .                       |          |                    |         |                 |               |
| <i>Beanii</i> , <i>Bowb. MS.</i> . . . . .                         |          |                    |         |                 |               |
| <i>clava</i> , <i>Bowb. MS.</i> . . . . .                          |          |                    |         |                 |               |
| <i>infundibuliformis</i> , <i>Johnst.</i> . . . .                  |          |                    |         |                 |               |
| DESMACIDON, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ).      |          |                    |         |                 |               |
| <i>ægagropila</i> , <i>Johnst.</i> . . . . .                       |          |                    |         |                 |               |
| <i>fruticosa</i> , <i>Johnst.</i> . . . . .                        |          |                    |         |                 |               |
| RAPHYRUS, <i>Bowerbank</i> .                                       |          |                    |         |                 |               |
| <i>Griffithsii</i> , <i>Bowb. MS.</i> . . . . .                    |          |                    |         |                 |               |
| DICTYOCYLINDRUS, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ). |          |                    |         |                 |               |
| <i>stuposus</i> , <i>Johnst.</i> . . . . .                         |          |                    |         |                 |               |
| <i>Howsei</i> , <i>Bowb. MS.</i> . . . . .                         |          |                    |         |                 |               |
| <i>ramosus</i> , <i>Johnst.</i> . . . . .                          |          |                    |         |                 |               |
| <i>aculeatus</i> , <i>Bowb. MS.</i> . . . . .                      |          |                    |         |                 |               |
| <i>ventilabrum</i> , <i>Bowb. MS.</i> . . . . .                    |          |                    |         |                 |               |
| <i>fascicularis</i> , <i>Bowb. MS.</i> . . . . .                   |          |                    |         |                 |               |
| <i>rugosus</i> , <i>Bowb. MS.</i> . . . . .                        |          |                    |         |                 |               |
| HALICLONA, <i>Bowerbank</i> (HALICHONDRIA, <i>Johnst.</i> ).       |          |                    |         |                 |               |
| <i>palmata</i> , <i>Johnst.</i> . . . . .                          |          |                    |         |                 |               |
| <i>Montagui</i> , <i>Johnst.</i> . . . . .                         |          |                    |         |                 |               |



## SPONGES.

| Species.  | Range.   | Found living at | Ground. | Frequency. | Observations. |
|---|----------|-----------------|---------|------------|---------------|
| <i>HALICLONA</i> , Bowerbank ( <i>HALICHONDRIA</i> , Johnst.).    | fathoms. | fathoms.        |         |            |               |
| <i>pygmæa</i> , Bowb. ....  |          |                 |         |            |               |
| <i>seriata</i> , Johnst. ....                                     |          |                 |         |            |               |
| <i>simulans</i> , Johnst. ....                                    |          |                 |         |            |               |
| <i>columbæ</i> , Johnst. ....                                     |          |                 |         |            |               |
| <i>gracilentia</i> , Bowb. MS. ....                               |          |                 |         |            |               |
| <i>MICROCIONA</i> , Bowerbank, MS.                                |          |                 |         |            |               |
| <i>atro-sanguinea</i> , Bowb. MS. ....                            |          |                 |         |            |               |
| <i>armata</i> , Bowb. MS. ....                                    |          |                 |         |            |               |
| <i>carnosa</i> , Bowb. MS. ....                                   |          |                 |         |            |               |
| <i>ambigua</i> , Bowb. MS. ....                                   |          |                 |         |            |               |
| <i>lævis</i> , Bowb. MS. ....                                     |          |                 |         |            |               |
| <i>spinulenta</i> , Bowb. MS. ....                                |          |                 |         |            |               |
| <i>HYMERAPHIA</i> , Bowerbank, MS.                                |          |                 |         |            |               |
| <i>vermiculata</i> , Bowb. MS. ....                               |          |                 |         |            |               |
| <i>stellifera</i> , Bowb. MS. ....                                |          |                 |         |            |               |
| <i>clavata</i> , Bowb. MS. ....                                   |          |                 |         |            |               |
| <i>HYMEDESMIA</i> , Bowerbank, MS.                                |          |                 |         |            |               |
| <i>Zetlandica</i> , Bowb. MS. ....                                |          |                 |         |            |               |
| <i>HALYPHYSEMA</i> , Bowerbank, MS.                               |          |                 |         |            |               |
| <i>Tumanowiczii</i> , Bowb. MS. ....                              |          |                 |         |            |               |
| <i>EUPLECTELLA</i> , Owen.  |          |                 |         |            |               |
| <i>mammillaris</i> ( <i>HALICHONDRIA</i> ), Johnst. ....          |          |                 |         |            |               |
| <i>brevis</i> , Bowb. MS. ....                                    |          |                 |         |            |               |
| <i>robusta</i> , Bowb. MS. ....                                   |          |                 |         |            |               |
| <i>HALICNEMIA</i> , Bowerbank, MS.                                |          |                 |         |            |               |
| <i>patera</i> , Bowb. MS. ....                                    |          |                 |         |            |               |
| <i>PHAKELLIA</i> , Bowb. MS. ( <i>HALICHONDRIA</i> , Johnst.).    |          |                 |         |            |               |
| <i>ventilabrum</i> , Johnst. ....                                 |          |                 |         |            |               |
| <i>DYSIDEA</i> , Johnston.  |          |                 |         |            |               |
| <i>fragilis</i> , Johnst. ....                                    |          |                 |         |            |               |
| <i>SPONGIA</i> , Linnæus.   |          |                 |         |            |               |
| <i>pulchella</i> , Johnst. ....                                   |          |                 |         |            |               |
| <i>limbata</i> , Johnst. ....                                     |          |                 |         |            |               |
| <i>GRANTIA</i> , Fleming.   |          |                 |         |            |               |
| <i>compressa</i> , Johnst. ....                                   |          |                 |         |            |               |
| <i>ciliata</i> , Johnst. ....                                     |          |                 |         |            |               |
| <i>ensata</i> , Bowb. MS. ....                                    |          |                 |         |            |               |
| <i>tessellata</i> , Bowb. MS. ....                                |          |                 |         |            |               |
| <i>LEUCONIA</i> , Bowerbank ( <i>GRANTIA</i> , Johnst.).          |          |                 |         |            |               |
| <i>nivea</i> , Johnst. ....                                       |          |                 |         |            |               |
| <i>fistulosa</i> , Johnst. ....                                   |          |                 |         |            |               |
| <i>LEUCOSOLENIA</i> , Bowerbank, MS. ( <i>GRANTIA</i> , Johnst.). |          |                 |         |            |               |
| <i>botryoides</i> , Johnst. ....                                  |          |                 |         |            |               |
| <i>coriacea</i> , Johnst. ....                                    |          |                 |         |            |               |
| <i>lacunosa</i> , Johnst. ....                                    |          |                 |         |            |               |
| <i>contorta</i> , Bowb. MS. ....                                  |          |                 |         |            |               |







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